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MORPHOMETRIC MEASUREMENTS OF PACIFIC SCOMBRIDS

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United States Department of the Interior, Douglas McKay, Secretary
Fish and Wildlife Service, Albert M. Day, Director

MORPHOMETRIC MEASUREMENTS OF PACIFIC SCOMBRIDS

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MORPHOMETRIC MEASUREMENTS OF PACIFIC SCOMBRIDS

Racial studies of Pacific tunas and related species by means of morphometric measurements have been conducted by the Pacific Oceanic Fishery Investigations (POFI) since its inception in 1948. Numerous data on yellowfin tuna, bigeye tuna, albacore, and skipjack have been collected and racial studies are in progress. In addition, measurements of other species have been made from time to time but not in sufficient quantities for racial studies. There is a need to publish the detailed measurements as part of the studies in progress and a need to make available to other workers the detailed measurements which probably will not be used by POFI for some time to come. This paper is intended to fill these two needs.

Accordingly, there are presented here the detailed measurements of 10 groups of tunas. Using the nomenclature adopted by Rosa (1950)[1/] they are as follows:

Yellowfin tuna, Neothunnus macropterus (Temminck and Schlegel) 1842.
Bigeye tuna, Parathunnus sibi (Temminck and Schlegel) 1844.
Albacore, Germo alalunga (Bonnaterre) 1788.
Skipjack, Katsuwonus pelamis (Linnaeus) 1758.
Bluefin tuna, Thunnus thynnus (Linnaeus) 1758,
Thunnus orientalis (Temminck and Schlegel) 1842,
Thunnus maccoyii (Castlenau) 1872.
Australian northern bluefin tuna, Kishinoella tonggol (Bleeker) 1852.
Little tunny, Euthynnus affinis (Cantor) 1850.
Dogtooth tuna, Gymnosarda nuda (Gunther) 1860.
Double-lined mackerel, Grammatorcynus bidarinatus (Quoy and Gaimard) 1825.
Frigate mackerel, Auxis thazard (Lacepede) 1802.

The tables (listed on page 6) include only measurements that have not been published previously. Additional comparable measurements of Pacific tunas will be found in other publications, e.g., Godsil (1948), Schaefer (1948), Schaefer and Walford (1950), Godsil and Greenhood (1951), and Schaefer (1952).

The data have been classified in rather arbitrary geographic units (fig. 1). The Pacific Ocean has been divided into north and south parts separated by an equatorial zone between 10° N. and 10° S. latitudes. Minor deviations from this zone were made in the western Marshall Islands area, which was extended north to 12° N. latitude to include specimens collected near Bikini, and for certain specimens from the Marquesas which were measured in a frozen condition and hence not included with specimens collected near the Equator and measured while fresh. Meridional lines at 129° W. longitude and 179° W. longitude separate eastern, central, and western areas. Several of the meridional lines dividing the equatorial area have been located on the 9-degree longitude lines in order to place in the same area all the specimens from certain cruises along the 10-degree lines.

1/ Except Grammatorcynus which Rosa does not include.

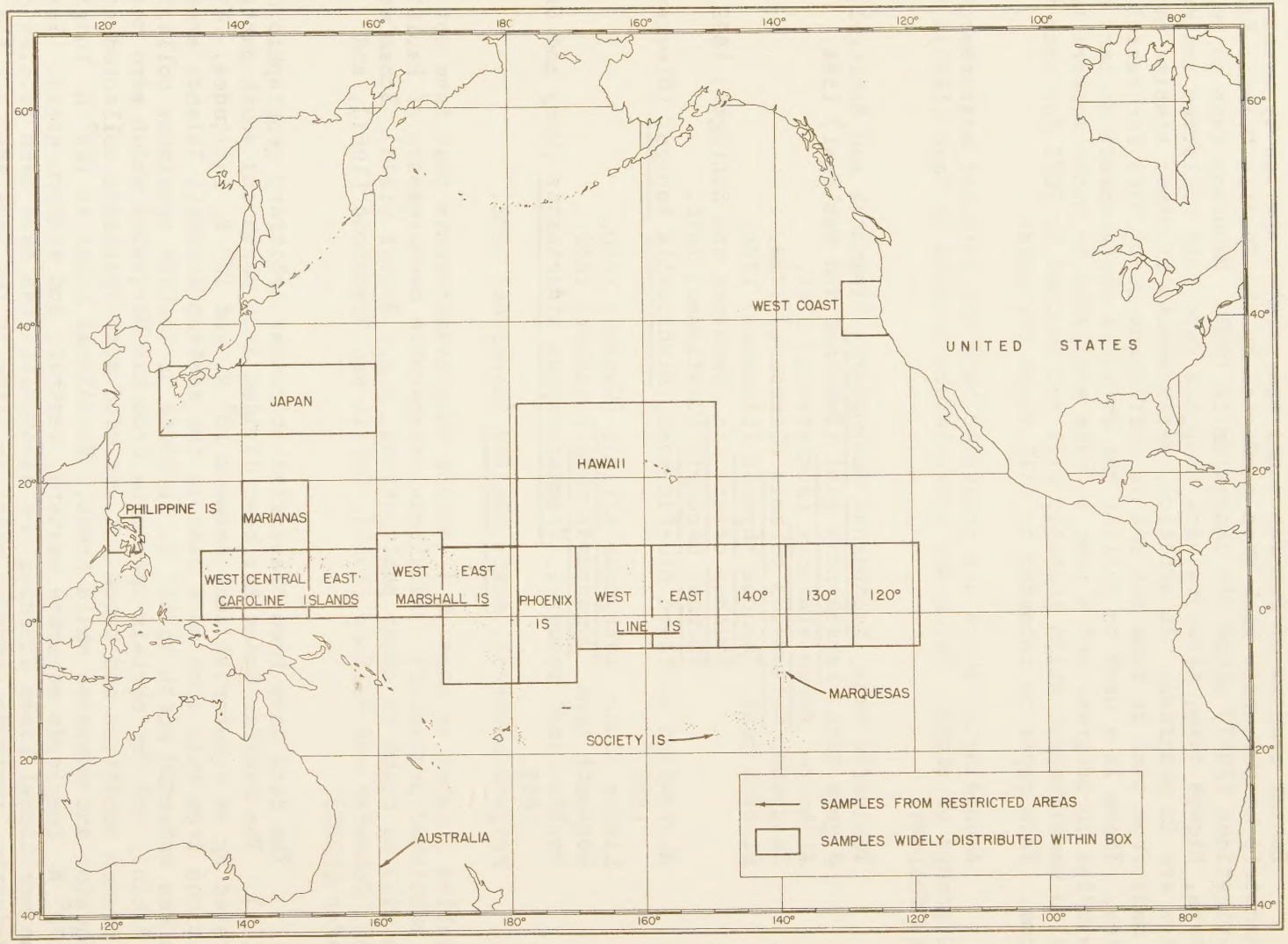

FIGURE 1. LOCATIONS OF ORIGIN OF TUNA MORPHOMETRIC SAMPLES.

The collection of these measurements was begun by Dr. M. B. Schaefer, Dr. O. R. Smith, and H. H. Eckles, who were assigned as scientific observers on board the Oregon and Alaska. These motor vessels of the Pacific Exploration Company, under contract with the Reconstruction Finance Corporation, prospected for tunas during 1948 in the waters of the Hawaiian Islands, the Line Islands, and the Trust Territory. Since 1949, when POFI was established in Honolulu, its observers have obtained measurements from the commercial catch landed at Honolulu, from the catches of research vessels of POFI, from the catches of Japanese mothership expeditions, and from landings in Japan. Other persons who have helped include members of the Division of Fish and Game of the Territory of Hawaii, J. C. Marr of the South Pacific Investigations of the Fish and Wildlife Service, Dr. K. Kuronuma of the Japanese Fisheries Agency, and Dr. D. V. Villadolid of the Philippine Bureau of Fisheries. Their permission to include the data here is gratefully acknowledged.

We also appreciate the efforts of the many individuals who have helped collect these data. Those directly responsible for the measurements are listed below. Following each name are the initials used for identification in the ensuing tables.

Donald H. Bates (DHB)
William I. Cabaniss (WIC)
Donald K. F. Ching (DC)
Frederick C. Cleaver (FCC)
Townsend Cromwell (TC)
H. H. Eckles (HHE)
Kenji Ego (KE)
Horace B. Eldred (HBE)
Thomas S. Hida (TSH)
Isaac I. Ikehara (III)
Frederick C. June (FCJ)
Joseph E. King (JEK)
John C. Marr (JCM)
Walter M. Matsumoto (WMM)
Donald L. McKernan (DLM)
G. W. Mead (GWM)
Harvey L. Moore (HLM)
Sueto Murai (SM)
Garth I. Murphy (GIM)
Edwin L. Niska (ELN)
Tamio Otsu (TO)
John E. Rawlings (JER)
John W. Reintjes (JWR)
Thomas J. Roseberry (TJR)
William F. Royce (WFR)
Milner B. Schaefer (MBS)
Bell M. Shimada (BMS)
Richard Shomura (RS)
Osgood R. Smith (ORS)
Edward D. Stroup (EDS)
Wilvan G. Van Campen (WVC)
Daniel T. Yamashita (DTY)
Kalfred L. K. Yee (KY)
Heeny S. H. Yuen (HY)
Territory of Hawaii, Division of Fish and Game (TFG)
Philippine Bureau of Fisheries (PBF)
Japanese Fisheries Agency (JFA)

Grateful acknowledgments are also extended to the officers and crew members of the research vessels of the Pacific Oceanic Fishery Investigations, who usually assisted in the handling of the often large and weighty specimens.

All measurements of length were recorded in millimeters; measurements of weight were recorded in pounds. The measuring techniques described by Marr and Schaefer (1949) were used by POFI observers and others who are listed by name in the preceding table. The observers for other government agencies listed are not known to us and their techniques may have differed slightly.

The different gear used to catch tuna may yield quite different ize groups of tuna and it seems desirable to classify the morphometric data ccordingly. The abbreviations used in the tables are as follows:

Gill net	Gn
Longline	Ll
Pole and line	Pl
Purse seine	Ps
Troll	Tr

The characters usually presented in the tables are those which chaefer concluded were most useful for differentiating the stocks of tuna. arlier papers by Schaefer (1948) and Schaefer and Walford (1950) included ome characters that were difficult to measure accurately and consistently y different examiners under adverse field conditions and others that we o not consider useful for comparative purposes. With the elimination of ome characters, there is the addition of a new measurement, the distance rom the insertion of ventrals to the anterior edge of the vent.

The Department of Defense has approved for publication the data ollected in Bikini, Western Marshalls by Mr. J. C. Marr. In addition to he characters used in this publication, he measured other characters: ectoral insertion to insertion 1st dorsal, length base 1st dorsal, length ongest dorsal finlet, length longest dorsal spine, spread caudal, greatest idth caudal peduncle at keels, least depth caudal peduncle, length maxillary, umber of gill rakers and number of finlets. These data will be included in ublications by Mr. Marr.

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Table 1. Yellowfin from the Eastern Equatorial Pacific: 120° West Longitude

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1226		311	346	671	676	341	343	282	371	260	304	35	10+23	f	11/52	L1	GIM
1269		324	357		727	370	367	293	330	212	247	36	11+20	f	11/52	L1	GIM
1284		337	366	696	731	369	373	320	317	258	282	36	11+21	m	5/52	L1	III
1327	97	339	374	675	742	372	373	329	337	207	214	38	10+22	f	10/52	L1	TJR
1330		346	371	676	750	382	380	355	341	328	364	41	10+21	m	5/52	L1	III
1347		346	382	676	781	379	389	332	347	319	368	58	11+22	f	5/52	L1	WVC
1356	112	368	400	702	776	395	391	351	330	298	371	48	8+22	f	10/52	L1	GIM
1361	103	351		697	779	381	403	327	345	320	338	40	9+21	m	10/52	L1	TJR
1367	102	338	369	687	766	372	400	344	384	366	435	39	9+21	f	10/52	L1	GIM
1383	117	351	394	706	777	387	396	350		352	427	41	10+22	m	11/52	L1	TJR
1388	104	348	382	699	760	383	388	338	345	304	330	41	10+21	f	10/52	L1	GIM
1390		345	382	697	775	400	381	337	375	376	448	44	9+20	f	11/52	L1	
1398		365	411	722	795	402	422	378	348	326	367	40	9+21	m	6/52	L1	WVC
1410		358	388	715	786	396	403	361	372	275		40	10+22	m	6/52	L1	III
1416	97	350	390	720	781	382	402	387	362	427	466	41	10+21	m	11/52	L1	GIM
1418	112	353	393	709	780	391	399	353	399	432	447	41	10+20	m	10/52	L1	TJR
1422		360	386	714	785	398	399	371	349	388	419	39	10+21	m	5/52	L1	WVC
1431		370	398	727	804	411	412	389	346	367	430	40	8+22	m	6/52	L1	WVC
1435	122	357	388	711	782	390	403	350	372	408	430	43	11+22	m	11/52	L1	TJR
1439		360	397	722	799	389	423	371	352	319	332	40	9+22	m	5/52	L1	III
1450	123	361	403	730	809	439	396	360	359	356	391	40	9+22	m	10/52	L1	
1455		361	398	727	804	399	416	376	347	307	406	39	10+21	f	5/52	L1	WVC
1456	129	360	405	726	800	401	420	375	377	403	405	40	9+22	m	10/52		GIM
1460		366	393		798	402	408	373	386		543	42	10+22	f	5/52	L1	III
1463	125	353	392	717	791	400	409	367	388	393	501	41	9+21	m	11/52	L1	GIM
1468	137	367	406	741	818	395	439	377	372	481	504		10+21	f	10/52	L1	TJR
1470		372	397	740	809	406	413	373	356	401	430	40	10+20	f	6/52	L1	WVC
1477		374	411	748	831	415	418	368	339	372	407	40	10+20	f	5/52	L1	III
1491	139	384	419	747	846	431	415	380	366	396	426	43	9+22	f	10/52	L1	
1523	158	377		800	850	413	457	387	362	459	487	42	10+22	f	10/52	L1	GIM

Table 1. Yellowfin from the Eastern Equatorial Pacific: 120° West Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1529		371	411	761	840	422	420	351	372	410	428	41	10+21	f	6/52	L1	III
1533		402	442	777	850	455	414	388	380	528	585	45	10+21	f	11/52	L1	GIM
1537	143	372	430	779	851	422	440	377	386	382	376	39	9+21	m	10/52	L1	GIM
1539		389	426	774	847	424	446	384	347	490	544	43	10+20	f	6/52	L1	III
1546		383	433	776	863	422	453	384	357	555	470	43	9+21	f	6/52	L1	WVC
1551		385	431	783	843	436	421	367	403	561	572	49		m		L1	GIM
1567		399	436	782	879	437	453	388	394	466	505	43	11+21	f	6/52	L1	III
1572	177	408	400	801	883	449	445	405	372	298	365	41	10+20	m	10/52	L1	TJR
1574	162	394	433	797	862	435	445	419	411	644	718	49	10+21	f	11/52	L1	TJR
1575	142	390	430	771	850	443	420	377	406	424	532	41	10+22	m	10/52	L1	TJR
1587	148	399	428	796	889	411	447	360	346	440	515	43	8+21	f	10/52	L1	GIM
1588	168	392	432	788	864	442	431	402	383	550	537	43	9+20	m	11/52	L1	TJR
1599		415	439	823	901	466	449	427	372	528	503	44	10+22	m	6/52	L1	III
1611		402	441	792	867	447	447	403	386	645	678	45	11+21	m	11/52	L1	GIM
1622	171	403	433	806	898	446	469	412	384	764	673	45	10+21	m	11/52	L1	TJR
1642		411	450	821	888	464	451	409	390	564	622	41	10+21	m	11/52	L1	GIM
1677		424	453	825	917	483	451	424	394	446	601	45	10+22	m	11/52	L1	GIM

Table 2. Yellowfin from Central Equatorial Pacific: 130° West Longitude

618	11	182	191	339	378	201	178	167	182	70	72	28	9+20	m	10/52	Tr	TJR
776	20	218	245	425	462	241	225	203	210	92	91	33	9+21	m	10/52	Tr	TSH
943		257	288	510	567	286	286	248	246	138	143	35	10+22	f	6/52	L1	III
1245	76	306	335	620	691	350	345	283	332	244	275	37	9+22	f	11/52	L1	TSH
1268	79	321	361	648	706	363	352	312	325	273	363	39	10+21	m	11/52	L1	TSH
1275	86	321	362	641	714	357	362	304	348	330	373	40	8+20	m	11/52	L1	GIM
1290		338	374	668	742	378	382	320	338	275	325	38	9+21	f	6/52	L1	WVC
1291		331	368	658	719	360	368	323	351	324	363	39	10+20	f	6/52	L1	WVC
1317	94	239	366			357	367	306	356	313	358	38	10+22	f	11/52	L1	TSH
1354		334	374	695	757	373	396	325	335	339	362	38	12+21	f	6/52	L1	III
1363	104	344	380	697	777	402	386	338	369	353	395	38	10+21	m	11/52	L1	GIM
1375	105	339	364	673	751	373	387	323	354	363	440	40	8+22	f	11/52	L1	TSH
1386	109	357	382	700	776	393	388	342	358	292	331	38	9+21	m	11/52	L1	GIM
1394		362	396	714	780	398	390	365	358	422	502	43	11+21	f	6/52	L1	III
1403		354	384	707	780	395	390	360	336	348	386	39	10+20	m	6/52	L1	III

Table 2. Yellowfin from the Eastern Equatorial Pacific: 130° West Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1421	105	345	387	710	770	386	389	313	376	298	464	40	8+21	m	11/52	L1	TSH
1422		352	398	716	794	391	412	350	346	319	381	38	10+21	f	6/52	L1	III
1438		357	397	728	796	394	410	357	367	341	375	39	11+21	m	6/52	L1	III
1443		366	395	727	796	399	406	368	386	430	473	41	10+21	m	6/52	L1	III
1448		366	397	725	806	408	411	367	334	332	347	39	9+22	m	6/52	L1	WVC
1453		373	408	732	820	413	420	368	353	375	460	40	11+22	m	6/52	L1	WVC
1456		357	392	721	796	402	407	337	385	425	459	40	9+21	m	6/52	L1	III
1461		364	396	736	816	399	430	381	353	524	606	42	10+20	f	6/52	L1	III
1491	123	380	417	759	828	412	421	354	375	484	612	47	10+20	f	11/52	L1	TSH
1497	140	382	416	770	831	427	407	364	358	437	509	42	11+22	f	11/52	L1	GIM
1498		375	413	756	831	409	431	392	374	642	712	46	9+21	f	6/52	L1	III
1514		378	420	755	829	423	423	388	375	409	484	42	10+22	m	6/52	L1	WVC
1523		388	420	766	853	439	431	392	356		419	42	11+21	m	6/52	L1	III
1526		379	417	767	841	427	423	386	370	530	577	44	9+21	f	6/52	L1	WVC
1533		383	425	770	854	434	430	384	399	549	381	44	10+20	f	6/52	L1	III
1535		384	420	774	855	439	425	396	361	320	257	43	12+21	m	6/52	L1	III
1562		402	443	782	872	439	439	408	394	468	499	44	11+22	m	6/52	L1	III
1563		381	421	772	856	419	449	399	359	543	499	47	9+20	f	6/52	L1	WVC
1578	162	393	440	793	884	434	460	393	384	580	610	42	10+21	m	11/52	L1	GIM
1579	158	394	449	788	878	448	443	396	387	354		40	9+20	m	11/52	L1	TSH
1599		395	439	791	863	441	446	405	377	463	492	42	10+22	m	6/52	L1	WVC
1606		398	435	799	881	445	445	419	400	504	622	47	7+20	m	6/52	L1	III
1617		407	455	802	881	445	450	428	384	499	564	45	11+21	m	6/52	L1	III
1622		414	435	812	907	455	462	430	394	455	540	47	10+20	m	6/52	L1	III
1645	190	430	464	847	929	465	490	435	415	456	624	46	9+21	m	11/52	L1	GIM
1647	188	403	445	831	918	451	477	425	415	580	573		10+21	m	11/52	L1	TJR
1652	181	411	455	847	915	450	499	420	365	401	444	43	9+22	m	11/52	L1	TSH
1657	174	413	454	829	912	462	469	407	379	430	501	47	8+20	m	11/52	L1	TSH
1657	178	412	450	838	915	447	479	412	389	466	505	42	9+21	m	11/52	L1	TSH
1658		425	464	834	917	473	461	429	374	540	494	42	10+22	m	6/52	L1	WVC
1697	192	416	447	827	927	468	471	404	397	544	544	46	8+21	m	11/52	L1	TSH
1697	195	419	465	847	942	461	497	416	377	572	625	44	9+22	m	11/52	L1	GIM

Table 3. Yellowfin from the Central Equatorial Pacific 140° West Longitude

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1210		319	342	618	688	356	340	297	331	266	292	31	9+20	f	8/52	L1	WMM
1211	74			611	684	348	341	296	349	249	294	42		f	8/52	L1	WFR
1262		320	349	637	705	353	362	314	352	294	358	37	10+21	f	9/52	L1	WMM
1269	91	335	357	653	738	366	386	324	342	233	297	37		m	9/52	L1	RS
1325	95	329	361	669	733	366	377	326	348	260	315	34		f	9/52	L1	RS
1326		343	373	661	745	379	379	330	367	334	399	39	10+20	f	9/52	L1	DLM
1335		335	359	666	736	374	370	341	378	397	406	41	9+20	m	8/52	L1	DLM
1336		343	378	695	764	389	383	343	371	346	398	40	9+21	f	8/52		DLM
1336		348	379	681	756	385	372	336	350	294	333	33	7+20	m	6/52	L1	WMM
1339		338	371	671	726	372	354	336	354	351	355	41	10+20	m	6/52	L1	WMM
1341		342	361	666	735	378	364	335	343	372	402	39	9+21	m	6/52	L1	WMM
1346		339	352	662	759	402	371	322	366	359	403	40	10+20	f	6/52	L1	WMM
1349		345	364	675	748	382	372	331	351	319	351	39	10+21	m	6/52	L1	WMM
1350	100	340	368	673	740	373	374	335	374	393	475	40		f	8/52	L1	RS
1360		338	368	672	752	386	368	332	374	406	343	41	10+21	m	9/52	L1	DLM
1362		337	369	673	749	373	382	336	359	367	440	40	10+19	f	9/52	L1	WMM
1366		352	385	700	769	384	389	347	354	335	380	38	9+21	m	8/52	L1	DLM
1366	99			699	752	373	383	337	345	290	450	43		f	9/52		WFR
1368		342	380	692	771	387	393	345	363		465	40	9+20	f	8/52	L1	DLM
1371		350	383	690	771	384	399	344	360	446	473	39	10+21	m	9/52	L1	WMM
1372		346	379	710	766	385	394	356	365	305	416	40	9+20	m	9/52	L1	WMM
1372		350	392	695	767	391	388	355	375	381	434	40	8+20	m	9/52	L1	WMM
1380		350	372	682	758	389	378	336	364	365	400	41	10+21	m	6/52	L1	WMM
1381		346	373	703	771	383	403	351	369	388	461	39	8+21	m	9/52	L1	WMM
1383		349	368	692	765	385	382	338	360	372	420		10+22	f	9/52	L1	DLM
1384		348	375	686	770	383	393	338	347	291	313	38	9+20	m	6/52	L1	WMM
1392		349	374	696	771	385	396	351	363	461	523	43	10+21	f	9/52	L1	WMM
1397	111			699	760	376	379	331	368	375	393	42		f	9/52	L1	WFR
1398		342	385	697	780	395	396	363	378	372	399	39	9+20	m	9/52	L1	DLM
1401		352	390	707	791	388	403	383	335	352	399	37	9+21	f	6/52	Tr	ELN

Table 3. Yellowfin from the Central Equatorial Pacific: 140° West Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventrals	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1406		253	385	671	772	392	399	359	383	439	453	41	10+21	f	8/52	L1	DLM
1412		352	388	703	775	385	398	346	360	355	407	40	7+20	m	8/52	L1	DLM
1416		344	379	701	785	378	417	339	369	428	481	40	10+21	m	9/52	L1	WMM
1418		368	387	730	814	419	402	363	367	380	443	42	9+20	f	8/52	L1	DLM
1421		363	402	727	792	398	398	361	364	332	407	39	10+20	f	8/52	L1	DLM
1422		345	390	714	788	381	415	347	379	367	437	38	10+22	m	9/52	L1	DLM
1423		369	395	728	815	405	428	375	342	300	359	40	10+22	m	8/52	L1	WMM
1427		355	398	718	787	394	398	353	378	355	387	40	10+20	m	9/52	L1	WMM
1428		360	400	719	803	396	419	364	380	362	402	40	10+22	m	9/52	L1	DLM
1435		360	390	728	811	410	406	336	344		529	43	10+21	f	6/52	L1	JEK
1439		355	395	722	801	397	414	361	400	485	542	41	10+20	f	9/52	L1	DLM
1442		361	398	721	798	404	400	363	383	430	483	40	10+21	m	9/52	L1	DLM
1442		364	412	731	801	410	405	374	379	405	554	41	10+20	m	9/52	L1	DLM
1442		373	403	724	809	410	412	370	358	373	322	40	10+17	m	8/52	L1	DLM
1442		375	389	749	825	412	423	370	357	368	424	41	10+21	m	6/52	L1	WMM
1444		362	393	724	796	400	403	357	375	333	246	43	9+20	m	8/52	L1	DLM
1448		351	383	724	799	389	405	351	388	398	453	39	10+21	f	9/52	L1	WMM
1449		363	391	722	785	398	399	381	355	398	460	41	9+22	m	8/52	L1	DLM
1456		365	401	744	816	404	414	354	361	349	397	39	11+21	f	9/52	L1	WMM
1456		366	404	734	809	400	420	379	375	442	493	40	9+21	m	9/52	L1	WMM
1462		375	406	743	814	411	430	378	372	458		41	11+21	m	9/52	L1	DLM
1462		377	408	737	821	420	407	378	370	487	435	42	10+21	m	6/52	L1	WMM
1470		365	398	739	815	407	420	367	376	399	430	40	9+22	m	8/52	L1	DLM
1478		364	385	726	800	422	385	348	361	394	466	41	11+21	m	6/52	L1	WMM
1480		367	417	756	821	411	422	384	391	566	594	44	10+20	f	8/52	L1	DLM
1481	131			732	805	411	404	355	358	361	381	46		m	9/52	L1	WFR
1493		375	412	748	830	419	421	382	352	377	477	44	10+20	m	6/52	L1	WMM
1499		373	409	753	824	401		387	366	552	616	42	9+19	m	6/52	L1	WMM
1502		376	415	757	825	433	400	383	360	369	470	42	9+21	m	6/52	L1	WMM
1503		374	414	761	838	423	426	378	368	415	476	40	10+21	m	9/52	L1	WMM

Table 3. Yellowfin from the Central Equatorial Pacific: 140° West Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1503		379	428	748	835	421	428	379	393	424	449	41	9+19	m	9/52	L1	DLM
1504	136			750	823	411	422	360	355	506	593	50		f	9/52	L1	WFR
1509		391	422	765	856	427	442	385	371	370	463	44	11+20	m	9/52	L1	WMM
1514		374	409	749	828	414	421	383	368	485	546	42	8+23	f	8/52	L1	DLM
1517	141			766	825	410	414	374	350	458	351	44		m	9/52	L1	WFR
1522		389	441	783	868	423	451	390	366	474	527	41	11+22	f	9/52	L1	WMM
1524		380	423	766	838	420	426	400	395	498	546	41	10+22	m	9/52	L1	WMM
1524		386	415	761	852	426	441	396	378		507	41	10+22	m	8/52	L1	DLM
1531		380	412	764	837	424	423	387	369	549	638	43	8+20	m	9/52	L1	WMM
1533		378	424	774	858	426	448	396	382	561	656	44	9+20	f	8/52	L1	WMM
1537		384	422	762	838	424	425	404	389	548	617	43	10+20	m	8/52	L1	DLM
1540		377	414	777	860	417	459	397	373	589	614	41	9+20	m	9/52	L1	DLM
1541		381	430	771	845	418	445	406	383	589	593	44	8+20	m	6/52	L1	WMM
1550		387	410	771	852	435	422	393	360	572	605	43	10+21	m	6/52	L1	JEK
1558		389	427	780	858	430	449	399	385	594	687	45	10+21	m	9/52	L1	DLM
1562		392	426	779	865	424	447	410	389	601	685	45	10+21	m	8/52	L1	DLM
1566		389	423	775	862	431	444	382	395	461	398	42	10+21	m	8/52	L1	DLM
1568		395	431	792	879	427	453	393	396	477	510	42	10+22	m	9/52	L1	WMM
1570	175			806	873	431	455	414	381	618	705	51		m	9/52	L1	WFR
1572		376	421	778	863	419	457	497	400	623	665	43	10+21		8/52	L1	WMM
1572		391	424	783	869	429	449	411	363	615	732	43	9+20	m	9/52	L1	WMM
1574		397	441	792	869	439	445	433	399	573	671	48	10+22	m	8/52	L1	WMM
1576	165	395	414	787	870	441	433	393	398	579	637	44		m	9/52	L1	RS
1577		405	444	792	879	449	442	417	386	456	505	44	10+21	m	9/52	L1	DLM
1578	175			808	882	440	453	415	400	489	510	50		m	9/52	L1	WFR
1579		403	442	789	872	447	442	410	416	565	624	45	10+20	m	9/52		DLM
1580		408	439	812	876	451	428	417	369		560	45	9+21	m	8/52	L1	DLM
1584		410	449	801	877	440	450	439	382	692	769		10+19	m	8/52	L1	DLM
1593			440	800	894	439	470	449	389	556	617	42	9+21	m	8/52	L1	WMM
1597		406	434	795	887	450	445	415	388	564	610	46	9+20	m	9/52	L1	DLM

Table 3. Yellowfin from the Central Equatorial Pacific: 140° West Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1598		396	423	789	872	441	438	404	379	539	668	44	9/18	m	8/52	L1	DLM
1600		410	431	803	896	463	441	405	386	468	515	44	10/20	m	6/52	L1	WMM
1602		393	439	807	876	441	454		375	524	554	43	9/20	m	8/52	L1	DLM
1605		407	445	792	880	452	445	430	372	544	597	44	10/21	m	9/52	L1	WMM
1607		402	433	803	880	444	450	410	412	542	605	43	10/23	m	9/52	L1	WMM
1610		422	438	804	913	482	448	413	384	474		45	11/21	m	6/52	L1	WMM
1615		408	437	802	883	446	430	379	366	680	701	46	9/20	m	6/52	L1	JEK
1616		407	427	801	899	444	470	418	383	610	698	46	9/20	m	8/52	L1	WMM
1616		411	448	816	894	445	456	436	372	509	572	47	9/22	m	8/52	L1	WMM
1619		406		818	902	450	455	434	364	383	463	44	10/20	m	9/52	L1	DLM
1623		407	429	808	905	468	450	402	400	619	673	45	9/21	m	6/52	L1	WMM
1623		409	451	828	917	454	467	412	387	372	586	44	10/20	m	9/52	L1	DLM
1629		412	455	824	906	452	473	425	393	502	566	43	10/19	m	8/52	L1	DLM
1641	170	404	453	813	893	452	442	400	404	654		47		m	9/52	L1	RS
1643		407	450	815	905	451	471	428	401		519	41	10/20	m	9/52	L1	WMM
1647		411	451	812	897	453	460	420	373	488	573	43	8/21	m	9/52	L1	DLM
1649		421	466	828	928	461	482	430	392	558	595	45	10/22	m	9/52	L1	WMM
1652		415	450	825	911	462	469	425	383	410	461	41	10/21	m	9/52	L1	DLM
1662		408	444	827	910	454	466	401	394	630	517	44	10/22	m	9/52	L1	WMM
1670	197			836	923	463	479	439	379	532	412	52		m	9/52	L1	WFR
1678		416	465	844	927	468	472	445	397	458	544	43	9/21	m	9/52	L1	DLM
1705		414	446	826	925	457		431	389	534	601	44	10/21	m	8/52	L1	DLM
1719		436	472	875	976	487	505	454	382	546	566	45	19/11	m	8/52	L1	DLM

Table 4. Yellowfin from the Central Equatorial Pacific: Eastern Line Islands

669	12	188	205	359	397	218	193		209	92	95	28	10/22	m	4/51	Tr	JWR
722	16	201	219	384	419	222	204	175	233	110	115	32		f	2/51	Tr	JER
753	17	212	231	405	446	240	211	189	224	106	102	33		f	2/51	Tr	JER
774	17	212	232	406	450	240	218	181	225	117	128			f	1/51	Tr	JEK
798	21½	217	237	420	460	238	221	203	220	121	137			f	1/51	Tr	JEK

Table 4. Yellowfin from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
833	24	234	246	445	483	251	245	211	225	113	107			f	1/51	Tr	JEK
844	25	233	249	447	493	257	232	204	238	132	139			m	1/51	Tr	JEK
863	26	243	256	452	499	268	239	212	254	158	167	36		m	2/51	Tr	JER
897	30	251	277	475	522	275	254	233	246	135	141	35	9/20		9/50	Tr	JWR
917	33	255	277	483	531	281	255	238	265	174	180	39	10/22		9/50	Tr	JWR
927	32	264	274	476	545	280	263	217	272	172	161	33		f	9/51	Ll	III
927	33	257	274	484	533	287	254	244	271	151	170	38	10/20		9/50	Tr	JWR
936	34	257	270	487	537	286	254	230	269	145	149	36	9/21		9/50	Tr	JWR
962	34	267	289	494	543	298	262	236	279	186	213	36		f	9/51	Ll	TC
975	38	264	289	506	555	293	264	240	287	195	177	38	9/21		9/50	Tr	JWR
978	31	264	285	513		566	273	236	270	167	162	33			8/51	Ll	III
979	35	267	282	496	563	303	278	236	275	159	175			m	9/51	Ll	III
1016		277	286	517	581	313	288	256	281	174	214	39	10/21	f	11/50	Tr	TJR
1019		282	293	524	602	343	279	254	281	169	180			f	11/50	Tr	FCC
1042	46	282	308	539	591	316	287		296	200	221	35		m	9/51	Ll	TC
1043	46	272	297	523	579	312	280	246	305	237	249	34	11/21	f	2/53	Ll	DC
1043	46	283	305	529	596	317	292	258	303	245	272	35		f	9/51	Ll	III
1046		273	297	540	597	309	294	243	301	189	212		10/21	f	11/50	Tr	FCC
1046	40	277	299	539	579	301	284	250	294	292	241			f	1/51	Tr	JEK
1056	48	276	297	533	592	304	290	257	281	191	210	34		m	8/51	Ll	III
1057	50	288	315	552	610	318	296	264	293	196	220	35		f	8/51	Ll	III
1062	47	284	299	543	597	317	294	255	338	258	290	37		m	9/51	Ll	TC
1068	50	278	300	549	612	304	307	261	308	245	255	36		m	8/51	Ll	III
1086		295	314	559	626	329	303	268	300	198	209		10/22	f	10/50	Ll	FCC
1090		293	318	563	631	332	309	261	302	204	228			m	11/50	Tr	FCC
1091	50	298	325	555	620	324	297	258	309	192	208	35		f	9/51	Ll	III
1093	45	293	314	556	619	328	298	260	302	196	206	38		m	2/51	Tr	JER
1095	50	293	314	566	612	319	297	256	315	194	195	37		m	8/51	Ll	III
1130	52	303	329	572	629	344	303	276	294	209	249				1/51	Tr	JEK
1161	62	305	325	590	644	332	325	290	305	249	270			m	1/51	Tr	JEK

Table 4. Yellowfin from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1181		311	332	601	663	362	312	289	320	153	261		11/21	f	10/50	L1	FCC
1182		309	333	594	665	345	332	273	328	210	252			f	11/50	L1	DHB
1183		310	345	603	654	342	313	268	309	215	242			m	11/50	L1	DHB
1214	73	306	336	609	675	336	348	302	323	255	334	39		m	8/52	L1	RS
1221		316	344	616	681	360	321	291	329	200	207			f	11/50	L1	FCC
1222		313	343	619	679	352	335	279	348	269	302			f	11/50	L1	DHB
1226		321	341	624	698	366	345	292	323	247	265			m	11/50	L1	DHB
1240	82	309	347	623	686	342	346	316	349	262	286	38		f	8/52	L1	RS
1245		317	355	632	696	351	345	297	352	277	302			m	11/50	L1	DHB
1245		325	353	627	700	375	344	284	324	227	253			m	11/50	L1	DHB
1248	86			633	708	353	360	311		398	436	47		f	8/52	L1	WFR
1275	83	331	359	660	725	370	358	315	326	271	275	37		f	8/52	L1	RS
1276	89	324	358	644	716	365	355	324	366	322	377	36		m	8/52	L1	RS
1293		326	351	649	710	364	356	311	349	325	336		10/20	m	11/50	L1	FCC
1298	96	333	370	651	713	364	352	313	375	331	391	41	9/21	m	2/53	L1	DC
1300	93			660	727	367	363	328		327	369	47		f	8/52	L1	WFR
1317		339	361	670	745	379	375	326	362	410	439		9/22	m	11/50	L1	FCC
1324	91			660	734	354	380	323	355	342	394	46		f	8/52	L1	WFR
1326	91 1/2	332	360	651	734	367	364	309	376	379	498	41	11/20	f	2/53	L1	JEK
1331	105	336	374	676	746	385	370	332	384	364	390	39		m	8/52	L1	RS
1333		342	258	679	745	389	368	329	366	376	449		9/22	m	11/50	L1	FCC
1335	102	347	376	687	752	383	374	336	326	245	313	38		m	8/52	L1	RS
1339			378	679	754	386	382	334	351	337	395		11/21	m	10/50	L1	FCC
1342	100	337	383	675	748	377	374	336	348	340	363	38		f	8/52	L1	RS
1343	97			672	728	363	366	325	339	410	452	48		m	8/52	L1	WFR
1350		333	365	680	754	372	381	331	357	380	410	40		f	8/52	L1	RS
1352				681	736	369	366	348		376	417	46			8/52	L1	WFR
1354	112	342	380	681	763	383	389	345	357	495	554	42		f	8/52	L1	RS
1356	100	332	365	679	739	370	360	333	346	444	488	41		f	8/52	L1	RS
1357	98	328	362	667	731	367	373	327	348	397	389	40		m	8/52	L1	RS

Table 4. Yellowfin from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Remarks
1359		341	363	691	758	390	379	337	376	367	461		10+19	f	11/50	L1	FCC
1368		342	378	681	749	379		333	366	519	557	42		f	8/52	L1	RS
1372		349	378	695	766	389	399	342	364	393	442		10+21	m	10/50	L1	FCC
1372	110			712	762	385	380	351		303	366	42		m	8/52	L1	WFR
1374	95	335	353	649	722	372	360	333	361	270	315	39		m	8/52	L1	RS
1377	114	337	367	684	743	380	364	343	374	395	463	41		f	8/52	L1	RS
1380	106			689	764	372	401	358		380	443	46		m	8/52	L1	WFR
1380		352	381	706	773	388	386	354	346	494	549	43		f	8/52	L1	RS
1381		350	376	687	762	387		343	349	396	544	44		f	8/52	L1	RS
1383	112	342	385	700	765	376	384	350	358	414	488	40		m	8/52		RS
1385		348	389	703	771	382	395	348	363	392	466	39		f	8/52	L1	RS
1386		340	381	701	757	382	379	360	371	459	496	40		m	8/52	L1	RS
1390	105			707	802	390	404	329		520	577	49		f	8/52	L1	WFR
1391	113	348	385	700	772	377	400	346		337	346	43		m	8/52	L1	WFR
1393	105			709	780	378	405	330		359	325	47		f	8/52	L1	WFR
1394	104	358	366	685	775	359	384	326	366	473	623	43	9+21	f	2/53	L1	DC
1395	109	338	384	695	765	378	401	345	378	365	350	40		f	8/52		RS
1396				705	776	384	410	352		543	610	50		f	8/52	L1	WFR
1396	119			732	803	410	394	354		314	366	43		m	8/52	L1	WFR
1396	122	347	387	703	766	388	384	357	362	403	455	42		m	8/52	L1	RS
1399				704	771	396	390	352		422	475	46			8/52	L1	WFR
1405	108	345	379	699	763	375	394	336	390	388	435	39		m	8/52	L1	RS
1406	111	346	393	701	768	384	389	344	375	395	426	39		m	8/52	L1	RS
1406	112	352	377	702	774	376	404	354	345	422	469			m	1/51	Tr	JEK
1407		354	376	710	777	405	403	364	373	481	545		10+20	m	10/50	L1	FCC
1408	117	363	397	717	801	405	400	357	348	328	408	40		f	8/52		RS
1409				722	785	397	397	348		441	515	47		f	8/52	L1	WFR
1409	115	356	378	708	777	396	394	353	371	319	406	41		m	8/52	L1	RS
1409	116	349	378	696	765	383	392	351	381	373	415	40		m	8/52	L1	RS
1410	114	350	387	701	768	393	382	358	374	385	402	40		m	8/52	L1	RS

Table 4. Yellowfin from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1413	114	352	385	697	777	386	389	346	377	417	450	39		m	8/52	L1	RS
1413	116			713	779	388	400	358		345	380	44		m	8/52	L1	WFR
1416	112	362	393	707	778	390	387	338	367	617	637	45	10/20	f	2/53	L1	
1418		363	390	721	791	414	388	354	384	523	643		9/20	m	11/50	L1	FCC
1421	119	362	390	708	784	399	398	360	355	571	611	45		f	8/52	L1	RS
1423	110			731	792	400	392	357		518		48			8/52	L1	WFR
1425				722	792	392	404	363		437	500	47		m	8/52	L1	WFR
1426		354	391	712	774	401	375	346	352	450	577	43		f	8/52	L1	RS
1428	123	352	385	704	777	380	397	361	399	519	540	40	10/20	f	1/53	L1	JEK
1429		361	392	718	791	406	771	345	388	533	614		9/19	f	10/50	L1	DHB
1430	115	359	380	715	775	395	402	349	343	423	532			m	1/51	Tr	JEK
1432	123	363	399	715	781	404	384	374	368	479	556			m	8/52	L1	RS
1434	122			720	803	400	407	353	356	412	460	50		f	8/52	L1	WFR
1434	124			741	813	407	412	357		477	488			f	8/52	L1	WFR
1435	121	353	382	705	778	397	387	363	376	429	572	40		m	8/52	L1	RS
1436	120	352	381	726	778	391	389	363	360	466	534	41		m	8/52	L1	RS
1441	117	355	386	715	784	401	385	359	367	332	339	39		m	8/52	L1	RS
1444	121	358	387	719	782	402	386	354	371	569	602	42		f	8/52	L1	RS
1446	123	349	389	718	789	386	413	360	380	465	596	45		f	8/52		RS
1450	122	364	396	736	808	408	410	362	357	435	531	43		f	8/52	L1	RS
1456		362	399	729	811	408	411	360	372	529	449	42		m	8/52	L1	RS
1458		364	410	751	827	406	425	364	378		417	39		m	8/52	L1	RS
1458	130	359	403	732	807	398	416	380	367	471	601	45	10/21	f	1/53	L1	JEK
1459	123			720	805	388	391	354		411	486	49		f	8/52	L1	WFR
1460	130			745	814	391	428	372		460	539	47		f	8/52	L1	WFR
1462		371	389	726	817	437	394	365	365	616	689		9/20	m	11/50	L1	FCC
1469				740	805	398	411	356		493	526	46		m	8/52	L1	WFR
1474	133	363	391	737	816	400	412	368	381	505	531	42	9/21	m	1/53	L1	JEK
1477		379	386	729	844	453	419	374	393	504	645		9/20	m	11/50	L1	FCC
1477	139			753	823	402	421	380		484	559	48		m	8/52	L1	WFR

Table 4. Yellowfin from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1479		365	399	726	804	409	409	383	367	364	539		9/20	m	11/50	L1	FCC
1481		367	389	734	814	419	403	373	388	500	601		9/19	m	10/50	L1	FCC
1483	127			728	819	412	415	363		603	632	53		f	8/52	L1	WFR
1485		384	381	736	812	422	410	364	371	538	653		10/21	m	10/50	L1	FCC
1486		373	406	748	819	418	403	386	366	559	668	44		m	8/52	L1	RS
1489	140	380	422	751	833	420	411	385	375	428	450	43	11/22	m	1/53	L1	JEK
1492	134			734	816	394	424	372	350	569	653	51		m	8/52	L1	WFR
1497	127			751	825	406	422	363		564	613	49		f	8/52	L1	WFR
1498	140			750	824	418	427	385		712	752	53		m	8/52	L1	WFR
1499		369	401	725	816	399	432	375	379	504	564	45		f	8/52	L1	RS
1500	139			747	826	405	412	375		537	652	49		f	8/52	L1	WFR
1503	136	380	415	741	821	426	408	375	376	494	581	44		m	9/51	L1	III
1503	142	378	402	741	815	420	402	381	357	596	689	47	10/21	m	2/53	L1	
1503	146	378	411	764	831	431	416	383	347	535	611	44		m	9/51	L1	TC
1507	132	374	412	742	821	419	413	373	379	514	692	43		m	9/51	L1	III
1507	137	370	401	745	828	416	417	378	369	588	320	46		f	8/52	L1	RS
1507	137	380	400	747	825	414	419	370	386	567	626	46	9/21	m	2/53	L1	JEK
1507	140	364	411	737	804	428	390	377	379	566	601	45		m	9/51	L1	ELN
1510	132	380	406	700	823	418	418	368	392	558	663	45		m	9/51	L1	TC
1511	137	395	423	751	840	456	402	371	380	607	526	45		m	9/51	L1	TC
1511	150	380	424	762	850	438	433	387	366	623	631	45		m	8/51	L1	III
1514		379	397	753	831	427		391	357	500	547		10/21	m	10/50	L1	FCC
1515	141	380	416	750	839	417	433	373	370	543	625	44		m	9/51	L1	III
1515	142	377	401	751	835	446	415	395	381	642	703	45		m		L1	TC
1516	142	385	415	749	822	428	420	383	381	579	670	43		m	9/51	L1	III
1517	137	380	409		838	435	437	385	380	532	552	48		m	9/51	L1	TC
1520	139	374	399	745	829	413	422	376	390	551	643	45		m	9/51	L1	III
1520	154	388	424	767	849	434	410	396	357		485	44		m	8/52	L1	RS
1522	140	378	410	750	830	433	435	387	353	533	646	42		m	9/51	L1	TC
1523				756	828	410	430	393		615	647	52		m	8/52	L1	WFR

Table 4. Yellowfin from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1523	147			747	822	413	424	393		569	612	51		m	8/52	L1	WFR
1525	145	379	406	749	840	442	419	378	391	594	657	43		m	9/51	L1	III
1530		374	419	769	832	428	420	374	400	539	600			m	11/50	L1	DHB
1530	156	389	412	759	849	452	423	385	401	608	599	46		m	9/51	L1	III
1531	127	386	396	740	849	466	405	350	359	481	574	45		f	9/51	L1	III
1531	144	371	402	741	825	412	439	377	375	398	603	46		m	9/51	L1	III
1534	147	377	415	752	835	422	420	372	379	638	727	47		f	9/51	L1	III
1534	159			789	860	428	435	401		408	492	47		m	8/52	L1	WFR
1535	148	375	415	760	834	426	429	381	379	568	664	46		m	9/51	L1	TC
1536	136	378	412	762	836	426	426	376	392	526	548	45		m	9/51	L1	TC
1537	143	384	405	761	845	435	430	379	389	612	608	45		m	9/51	L1	TC
1538		378	412	771	848	430	415	389	376	583	681	44		m	8/52	L1	RS
1541	151	386	395	756	859	469	415	391	375	643	690	45		m	9/51	L1	TC
1542	150	377	410	754	837	420	428	378	398	641	710	44		m	9/51	L1	III
1544				781	856	420	441	394		614	592	51		m	8/52	L1	WFR
1546		391	408	748	855	464	420	378	375	546	632			m	11/50	L1	DHB
1546	146	380	412	763	830	423	418	375	361	550	625	44		m	9/51	L1	III
1546	158	381	417	769	837	424	424	400	398	625	783	45	10/21	m	2/53	L1	JEK
1550	160	400	428	782	868	452	440	388	395	606	677	45		m	9/51	L1	III
1554	153	379	414	757	844	423	439	383	394	637	713	44		m	9/51	L1	III
1555	140	378	410	757	848	421	445	369	350	555	625	45		m	9/51	L1	III
1561	155	381	410	762	840	428	428	394	370	695	754	47		m	9/51	L1	TC
1561	155	384	432	785	852	430	439	395	389	590	602	43		m	8/52	L1	RS
1563	158	386	436	761	861	431	458	399	358	501	536	43		m	9/51	L1	TC
1568		382	425	763	846	422	428	404	377	575	612	44		m	8/52	L1	RS
1572	164	403	432	791	881	452	441	397	350	570	360	42		m	9/51	L1	TC
1580	165			812	887	440	460	406		451	576	50		m	8/52		WFR
1580	171			798	870	428	444	386		581		51		f	8/52	L1	WFR
1582	159	401	439	785	869	456	438	419	394	656		52		m	2/51	Tr	JER
1587	165	397	429	778	861	452	434	391	378	553	589	45		m	9/51	L1	TC

Table 4. Yellowfin from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1594	155	387	411	779	880	463	441	377	344	562	605	44		m	9/51	Ll	III
1597	170	398	426	792	875	450	449	415	402	581	633	44		m	9/51	Ll	TC
1602	160	404	428	776	875	457	433	392	381	526	683	50		m	8/51	Ll	III
1602	165	406	439	789	884	449	469	405	394	573	626	44		m	9/51	Ll	EDS
1607	179			802	880	444	446	406		631	539	51		m	8/52	Ll	WFR
1611	168	393	411	775	838	457	439	408	380	638	728	46		m	9/51	Ll	III
1614		400	427	804	903	467	450	403	416	677	766		10/21	m	11/50	Ll	FCC
1617	178			822	893	447	454	427		595	670	41		m	8/52	Ll	WFR
1619	164	429	455	817	901	478	441	409	380	433	530	42		m	9/51	Ll	TC
1627	176			812	885	439	455			658		53		m	8/52	Ll	WFR
1637	191	420	460	834	926	483	459	418	365	440	539	45		m	8/51	Ll	III
1651	192	417	470	830	909	477	450	449	371	511	602	45		m	8/52	Ll	RS

Table 5. Yellowfin from the Central Equatorial Pacific: Western Line Islands

476	5	132	149	256	287	150		124	142	56	56	22		m	2/48		MBS
552		162	176	309	335	181	155	141	163	63	61	27	10/19		9/50	Tr	JER
565		163	180	309	341	182	157	133	179	74	71	29	9/20	f		Tr	DC
579		171	186	317	344	191	167	157	173		79	22			1/53	Pl	HY
586		177	188	321	353	191	169	152	177	69	75	29		m	11/50	Tr	TJR
599		179	179	320	367	225	156	152	177	79	76	30	10/21	f	1/53	Tr	DC
605		176	189	329	360	203	170	148	170	74		29	10/20	m	11/50	Tr	JWR
607		173	187	332	363	191	176	150	174	69	71	22	10/21	f	11/50	Tr	
609		174	189	331	361	198	167	150	171	74	73	29	11/22	m	6/51	Tr	FCJ
610	9 1/2	180	190	328	369	203	177	151	179	74	74	30	10/21	f	2/50	Tr	JWR
629		182	196	345	372	203	184	164	196			34			1/53	Pl	HY
630		187	201	346	382	212	182	156	181	76	81	30	9/21	f	11/50	Tr	JWR
632		190	200	345	380	207	183	167	191	90	88	29			1/53	Pl	HY
633		187	199	344	379	206	181	161	185	73	77	30	9/20	f	11/50	Tr	TJR
647	11	191	206	353	386	213	179	167	202	91	89	34		m	2/51	Tr	JER

Table 5. Yellowfin from the Central Equatorial Pacific: Western Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 1st Dorsal	Height 2nd Dorsal	Alimentary Loop	No. Gill Rakers	Sex	Month and Year	Gear	By
648		189	199	360	387	206	186	153	181	82	77	30	10+21	m	2/53	Pl	JEK
655		194	205	358		216	189	169	200	86	87	32	9+21	f	1/53	Tr	DC
656		189	200	354	382	210	189	168		96	93	29			1/53	Pl	DC
660		195	210	360	395	213	187	170	206	91	82	32	10+21	m	1/53	Tr	DC
670	14	203	219	375	422	226	201	173	206	99	104	32	9+20	m	2/53	Ll	DC
677		217	215	368	403	223	192	172	201	86	88	32	10+21	m	11/50	Tr	TJR
683		200	222	374	414	223	193	177	196	95	84	30	9+21	f	2/53	Pl	JEK
687		200	216	373	406	225	191	172	203	102	109	30	11+22	f	11/50	Tr	
713	13	204	223	381	423	226	202	183	202	104	101	33		f	2/51	Tr	JER
724	16	208	223	385	424	229	207	186	211	112	105	34	9+21	f	9/50	Tr	JER
726	14 1/2	206	227	387	422	229	196	183	227	105	112	34		f	2/51	Tr	JER
727	20	207	223	391	436			184	224	108	112	33	10+21	f	2/48		MBS
733	17	201	224	383	417	221	201	173	216	109	113	33	10+21	f	9/50	Tr	JER
737	13 1/2	209	225	392	427	232	202	180	218	97	101	33		f	2/51	Tr	JER
737	15	202	206	391	424	223	211	184	228	119	120	34		f	2/51	Tr	JER
742	15 1/2	220	232		443	229			215	97	112	33			2/51	Tr	JER
747	15	211	238	404	445	236		182	230	122	121	31	8+20	f	2/48		MBS
749		213	234	407	444	227	217	193	212	100	98	33	9+21	f	2/53	Pl	JEK
749		221	231	403	440	238	207	191	223	101	116	32	9+21	m	11/50	Tr	TJR
749	16	211	231	399	433	232	203	190	221	114	106	35		f	2/51	Tr	JER
758		211	230	395	442	236	219	179	224	119	120	31	11+21	m	10/50	Tr	TJR
759		213	228	400	442	237	215	188	231	117	125	31	9+20	m	11/50	Tr	TJR
759	18	214	235	409	464	251		190	205	107	109	31		f	2/48		MBS
761	18	216	236	409	482	247		187	217	103	107	33	9+20	m	2/48		MBS
772		219	232	406	450	244	220	184	232	117	115	32	10+21	f	11/50	Tr	JWR
772	20	220	239	412	445	241	213	189	216	110	114	37	10+21	m	9/50	Tr	JER
775		220	235	411	456	242	218	192	224	104	115	31	10+21	f	11/50	Tr	TJR
776		215	226	411	450	240	219	186	241	116	122		10+21	m	11/50	Tr	FCC
778		216	233	410	455	249	224	193	226	119	118	31	9+21	m	11/50	Tr	TJR
793		222	237	416	458	255	216	185	232	127	127	32	11+21	m	11/50	Tr	TJR

Table 5. Yellowfin from the Central Equatorial Pacific: Western Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
802	19½	223	240	422	467	246	226	199	225	113	124	37		m	2/51	Tr	JER
808		221	234	428	464	252	225	192	234	129	137	33	9+20	f	11/50	Tr	TJR
808		229	238	427	469	263	220	201	242	123	130	31	10+21	m	11/50	Tr	TJR
812	19½	226	248	431	471	252	223	120	207	100	107	35		f	2/51	Tr	JER
812	23	236	246	425	469	261	212	199	240	122	122	35	10+22	m	9/50	Tr	JER
813		229	248	425	477	256	239	200	232	110	112	31	9+20	m	11/50	Tr	TJR
815		232	250	423	475	262	229	192	225	121	129	30	10+22	f	11/50	Tr	
821		233	251	433	480	259	235	202	233	123	130	33	9+21	f	10/50	Tr	JWR
827	21	224	245	426	471	247	231	203	261	132	159	34		m	2/51	Tr	JER
830		229	246	425	478	261	228	205	259	140	165	32	10+21	m	11/50	Tr	TJR
832	22	228	244	437	493	245	247	194	256	134	150			f	2/51	Tr	JEK
839		240	253	435	486	270	236	200	235	138	143	35	10+22	m	8/50	Pl	KY
846	22½	230	250	440	489	253	242	209	253	151	152	35		f	2/51	Tr	JER
847		238	262	445	487	268	239	196	253	128	137	34	10+21	m	8/50	Pl	KY
852		241	260	446	493	274	233	209	252	133	137	31	11+20	f	11/50	Tr	TJR
856	23	242	259	449	495	269	229	207	259	129	158	37		f	2/51		JER
859		235	250	453	450	275	235	218	270	142	166	34	9+20		9/50	Tr	JER
868		238	266	450	498	269	245	197	256	144	145	33	10+21	f	8/50	Pl	KY
871		239	254	447	500	273	238	213	238	160	155	32	11+21	m	11/50	Tr	JWR
872		242	259	454	503	272	247	219	240	139	136	33	10+22	f	11/50	Tr	TJR
873		242	268	463	507	265	247	217	262	140	142	35	10+22	f	2/53	Pl	JEK
874		255	258	463	506	286	234	222	253	155	176	38	8+20	m	11/50	Tr	TJR
879		245	267	467	507		247	211	260	137	148	34	10+21	m	2/53	Pl	JEK
881		243	264	453	504	277	236	209	265	151	160	34	10+21	m	11/50	Tr	JWR
882	24	247	261	464	505	275	235	216	253	149	156	35			2/51	Tr	JER
891	15	247	265	469	511	279	239	219	257	144	138	37			2/51	Tr	JER
893		244	273	471	510	273	255	233	248	141	146	34	9+20	f	8/50	Pl	KY
898	26½	252	271	475	513	279	243	222	259	161	159	36		f	2/51	Tr	JER
908	27½	257	266	480	519	271	246	225	272	196	224	38		m	2/51	Tr	JER
909	29	241	267	474	519	270	251	228	289	196	239	36		f	2/51	Tr	JER

Table 5. Yellowfin from the Central Equatorial Pacific: Western Line Islands (Continued)

Total Length																	
912		260	276	472	536	297	257	230	247	169	159	34	10/20	m	10/50	Tr	JWR
919	32	251	274	470	524	276	259	223	263	157	162	38	10/20	f	9/50	Tr	JER
924		249	276	484	530	279	260	228		147	145	34	9/23		9/50	Tr	JER
930		254	280	480	536	284	261	229	269	154	164	34	9/22	f	11/50	Tr	
934		250	266	469	529		259		273	186	193	38	10/20	m	9/50	Tr	JER
943		259	288	490	543	295	272	231	276	160	174	35	9/21	f	8/50	Pl	KY
949		256	273	492	542	290	269	221	277	156	199	34	11/22	f	10/50	Tr	JWR
959		274	290	506	557	290	269	244	279	165	177	36	10/21	m	11/50	Tr	TJR
961		265	284	501	558	300	269	239	274	187	224	35	10/20	f	11/50	Tr	TJR
967		255	275	489	541	283	271	225	299	202	219	35	10/20	m	11/50	Tr	JWR
975		268	282	503	564	297	274	238	280	164	172	34	10/21	m	11/50	Tr	TJR
975	35	267	283	504	549	289	267	242	259	180	181			f	2/51	Tr	JEK
978	33		276	501	553	291	270	235	275	205	209	37		f	2/51		JER
985		275	292	509	567	306	276	244	287	189	204	36	9/20	m	11/50	Tr	TJR
988	36	269	296	519	571	299	280	246	285	169	182	38		m	2/51	Tr	JER
989		265	282	507	566	301	280	240	295	220	243	33	11/23	m	11/50	Tr	TJR
989		275	273	503	573	311	273	234	260	179	175	34	10/20	f	11/50	Tr	TJR
990		278	296	518	576	299	283	246	269	151	161	34	11/21	f	11/50	Tr	TJR
991	35	264	293	521	553	295	270	253	274		207	33		m	2/51		JER
992		271	293	551	568	304	275	239	307	193	208	35	11/21	f	11/50	Tr	JWR
998		270	286	505	507	302	266	240	300	216	219	39	10/22	m	11/50	Tr	TJR
1001		265	292	522	573	301	286	244	302	197	227	35	8/21	m	11/50	Tr	TJR
1006		266	296	515	573	295	284	245	279	174	194	35			9/50	Tr	JER
1009		277	305	531	581	306	278	247	279	180	187		10/21	f	11/50	Ll	FCC
1009		284	302	533	590	318	283	252	287	182	193	35	10/21	f	11/50	Tr	TJR
1025	40	273	289	514	572	302	291	246	319	222	260	38	9/20	m	8/50	Tr	KY
1027		286	331	531	595	329	280	237	280	170	180	35	10/21	m	11/50	Tr	JWR
1028	39	279	300	529	583	310		250	300	208	231	39	11/21	m	2/48		MBS
1034	43	282	302	527	584	310	287	242	307	167	173	34	11/21	m	2/53	Ll	DC
1042		282	303	540	594	317	289	246	290	202	236			f	11/50	Ll	FCC

Table 5. Yellowfin from the Central Equatorial Pacific: Western Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventrals	Int. Ventrals to Ant. Scale Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diam. Eye Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1043		279	304	538	591	306	294	254	308	209	218	35			9/50		JER
1051		277	297	525	587	304	287	246	303	230	249	41		f	9/50	Tr	JER
1055		279	299	533	592	311	293	254	299	199	214	34	11+21	m	11/50	Tr	TJR
1066		290	316	549	601	321	291	260	306	306	337	40	12+20	f	11/50	Tr	TJR
1071		284	303	535	592	307	288	249	303		201	38	11+20	m	2/53	Pl	JEK
1071	48	293	315	552	602		292	277	300	237	300	45		m	2/51	Tr	JER
1080		293	314	543	603	324	292	254	310	205	235	38	10+21	m	11/50	Tr	TJR
1087	48	283	312	557	617	317		262	326	248	266	37	8+21	m	2/48		MBS
1095	47	295	324	567	627	336		265	322	247	262	37	9+20	f	2/48		MBS
1099		307	324	574	637	347	299	276	314	235	250	40	9+21	m	1/53	Tr	DC
1101	49	288	324	566	619	327	306	276	324	261	269	37		f	2/51	Tr	JER
1102		279	306	536	592	317	289	240	279	205	209	35	11+21	f	11/50	Tr	TJR
1103		300	311	559	623	343	301	261	329	326	343	38	10+20	f	11/50	Tr	TJR
1106	50	295	325	569	630	336	318	268	294	208	342	46	8+20	f	8/50	Tr	KY
1114		300	316	564	623	336	310	273	317	263	344	37	11+21	m	11/50	Tr	TJR
1117		295	315	562	622	330	306	264	331	253	291	37	9+20	m	11/50	Tr	TJR
1118	51	294	330	568	629	326	309	276	311	225	246	39		f	2/51	Tr	JER
1126		300	324	569	637	339	310	273	303	234	245	36	10+20	m	11/50	Tr	TJR
1136		310	328	576	634	348	306	276	315	224	222	38	10+22	f	11/50	Tr	TJR
1137	55	306	335	592	657	338		280	297	298	448	43	10+21	f	2/48		MBS
1141		299	326	586	637	332	320	271	325	243	301	38	10+20	m	11/50	Tr	TJR
1146	60	299	326	588	650	339	317	293	337	257	309	41		m	2/51	Tr	JER
1151	50	297	327	583	630	331	309	273	325	218	279	40		m	2/51		JER
1170		304	321	592	657	339	326	279	317	251	274			f	11/50	Ll	FCC
1171		303	327	600	654	339	329	286	322	215	241			m	11/50	Ll	DHB
1191	65	316	338	597	669	350	324	283	333			43	9+21	f	1/53	Ll	DC
1195		301	319	591	656	341	341	276	343	225	258		10+22	f	11/50	Ll	FCC
1200		312	343	599	661	343	331	280	313	245	268	36	10+20	f	11/50	Tr	
1202		302	326	592	675	343	345	279	340	275	304			f	11/50	Ll	FCC
1207		301	339	615	677	343	343	296	320	253	261			m	11/50	Ll	FCC

Table 5. Yellowfin from the Central Equatorial Pacific: Western Line Islands (Continued)

Total Length	Weight	Head Length	Snout to First Dorsal	Second Dorsal Base	Second Dorsal Height	Anal Base	Pectoral Length	Ventral Length	Caudal Peduncle Depth	Caudal Peduncle Width	Dorsal Gill Rakers	Pectoral Rays	Sex	Month and Year	Gear	Experience
1215		319	335	613	688	368	341	300	324	320	299			f	11/50	Ll	DHB
1231		314	331	613	683	358	340	291	319	250	265			m	11/50	Ll	FCC
1248		318	339	631	697	376	336	307	341	331	384			m	11/50	Ll	FCC
1262		330	349	633	696	368	351	319	338	353	425	43	10/20	f	11/50	Tr	TJR
1272		326	343	626	703	365	350	295	385	343	354			m	11/50	Ll	DHB
1275		315	340	638	719	374	356	303	364	285	217			f	11/50	Ll	FCC
1294		333	357	638	716	364	360	323	363	307	337	41	10/20	m	11/50	Tr	TJR
1295	85	337	380	670	734	377		329	339	460	531	45	10/22	f	2/48		MBS
1300	94	329	353	650	720	374	380	320	352	334	368	38	9/19	m	1/53	Ll	
1302		323	355	653	714	363	356	311	352	374	418			f	11/50	Ll	DHB
1303		333	361	646	719	376	360	314	354	419	449	40	8/21	m	11/50	Tr	JWR
1311		339	362	668	742	379	374	318	345	326	346		10/22	m	11/50	Ll	FCC
1313	96	332	362	666	735	375	362	320	355	319	498	40	10/21	m	1/53	Ll	DC
1315	95	346	365	664	748	391	376	341	346	364	390	42	9/20	m	9/50	Tr	JER
1316	84	326	350	651	718	369	362	323	369	319	375	43		m	2/51	Tr	JER
1318	95	346	379	680	742	371	394	310	347	294	466	43	10/20	m	1/53	Ll	DC
1327		341	372	676	751	391	377	345	349	293	363			f	11/50	Ll	FCC
1330	85	350	366	670	760	386	347	305	365	530		45	9/21	f	1/53		
1332		334	364	672	736	378	369	326	343	307	421			f	11/50	Ll	FCC
1335	102	330	363	667	750	380	370	321	356	339	404	41	9/20	m	1/53	Ll	DC
1342		335	357	676	747	381	385	325	375	514	539			f	11/50	Ll	FCC
1350		342	370	691	750	379	364	333	348	440	479	42	10/22	f	1/53	Ll	DC
1353		343	371	679	748	388	373	323	353	396	441			f	11/50	Ll	FCC
1354	140	374	395	760	835	413	424	364	362	466	572	41	11/22	m	1/53	Ll	DC
1357		342	367	679	745	389	380	323	368	393	432			m	11/50	Ll	DHB
1362		353	367	675	761	401	375	322	364	317	406			f	11/50	Ll	DHB
1374		348	375	689	762	397	378	337	362	424	452			m	11/50	Ll	FCC
1375		347	372	686	757	392	372	347	348	445	420			m	11/50	Ll	FCC
1387		350	389	701	773	396	391	351	358	427	482			m	11/50	Ll	FCC
1395	107	348	382	705	775	384	406	337	392	405	468	41	9/21	m	2/53	Ll	DC

Table 5. Yellowfin from the Central Equatorial Pacific: Western Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Engineer
1403		353	389	704	782	395	399	361	354	423	463			m	11/50	L1	FCC
1410		374	397	706	789	433	378	369	356	418	521	43	10/22	m	11/50	Tr	TJR
1414		355	395	709	791	403	409	371	373	559	645			m	11/50	L1	FCC
1426		366	387	717	799	413	412	355	380	445	495			m	11/50	L1	DHB
1431		355	372	712	787	412	390	353	367	416	456			f	11/50	L1	FCC
1435	134	367	394		804	430	411	366	378	520	582	44	10/21	f	1/53	L1	DC
1440		364	393	722	800	414	396	371	390	469				m	11/50	L1	FCC
1440		365	379	712	795	415	401	360	364	512	564			m	11/50	L1	DHB
1451		367	384	711	794	419	394	360	378	662	638			m	11/50	L1	FCC
1458	130	372	399	725	803	410	405	359	391	587	691	43	9/19	m	1/53	L1	DC
1463		358	389	724	798	410	397	349	382	553	587			f	11/50	L1	FCC
1463		368	399	728	806	414	418	365	370	563	588			m	11/50	L1	DHB
1465	140	379	396	731	799	429	400	400	377	525	519	43	8/20	m	4/51	Tr	JWR
1472		370		718	806	420	398	360	384	558	685			m	11/50	L1	FCC
1474		383	401	739	815	426	411	391	370	506	535			m	11/50	L1	FCC
1477		378	390	734	825	431	422	364	380	663	741			f	11/50	L1	DHB
1497		386	404	749	836	432	409	380	378	670	666	43	9/21	m	1/53	Tr	DC
1505		375	396	733	818	435	403	362	363	582	662			m	11/50	L1	FCC
1505	140	373	414	766	843	421	433	369	382	450	556	46	10/20	m	1/53	L1	DC
1519	151	370	402	746	821	420	412	380	373	541	549	46	10/20	m	1/53	L1	DC
1522	139	383	384	741	834	434	410	370	399	433	469	43	10/21	m	1/53	L1	DC
1522	150	396	422	776	883	433	421	392	388	469	600	44	11/20	m	1/53	L1	DC
1571	165	399	432	787	868	449	440	402	404	504	611	46	10/21	m	1/53	L1	DC
1584		391	430	782	862	439	436	410	395	599	688	46		m	5/51	Pl	WIC
1617	172	399	439	797	886	448	447	403	390	577		46	9/20	m	1/53	L1	DC

Table 6. Yellowfin from the Central Equatorial Pacific: Phoenix Islands

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ins. Pectoral Base	Pectoral Length	Pectoral to Ins. Ventral	Pectoral Width	Gill Rakers	Sex	Gonad Weight	Stage	Locality
530	6	155	175	289	326	178	151	135	147	61	56	26	9+21		2/50	Tr	MBS
556	6¼	157	176	302	333	176	160	137	155	65	62	26	10+21		2/50	Tr	MBS
573	7½	177		342			159	147	165	66	63	27		m	1/51	Tr	JER
595	9	173	192	325	348	194	172	151	192	82	83	30	10+21		8/50	Pl	KY
601	9	175	190	325	359	195	175	153	185	87	84	30	9+21	f	8/50	Pl	KY
610	8½	178	199	325	362	200	184	150	186	84	84	31	10+21		8/50	Pl	KY
615	8½	193		360	357	205	171	147	189	83	86	29	10+20	f	8/50	Pl	KY
627	9	182	196	334	374	266	181	152	203	97	96	30	10+22		8/50	Pl	KY
641	11	180	205	343	377	203	187	155	191	96	95	28	9+22	f	8/50	Pl	KY
642	10½	186	202	347	378	208	188	159	197	93	89	30	11+21	f	8/50	Pl	KY
644	11½	185	200	352	381	209	179	162	195	101	94	33		f	1/51	Tr	JER
646	14	188	205	356	391	207	182	167	195	89	81	29	9+21	f	11/52	Ll	TO
648	11½	187	200	346	386	216	179	167	201	97	91	32		f	1/51	Tr	JER
648	11½	188	196	351	387	212	180	162	202	89	86	32			1/51	Tr	ELN
652	12	186	198	351	381	203	185	161	199	92	93	33	8+20	f	8/50	Tr	JER
653	12	184	202	356	389	203	189	166	194	83	84	30	9+20	f	8/50	Tr	JER
656	11½	187	205	349	386	216	189	162	191	95	92	29	10+21	f	8/50	Pl	KY
662	12½	193	210	356	396	215	186	173	203	99	97	32		f	1/51	Tr	ELN
664	12	184	203	358	396	208	198	165	199		94	30	10+21	f	8/50	Tr	KY
667	10½	188	199	351	387	219	178	169	198	93	90	33		m	1/51	Tr	JER
679	12	192	209	360	401	221	183	169	195	87	87	31		f	2/51	Tr	JER
680	12	191	209	364	400	219	184	165	208	106	104	34		m	1/51	Tr	JER
713	16	199	213	378	414	223	191	173	221	103	113	31	11+22	m	8/50	Tr	JER
716	16	206	221	382	419	229	196	179	224	112	121	35	9+22	f	8/50	Tr	JER
728	15	206	223	393	437	226	206	176	216	108	106	32	11+22	f	8/50	Tr	
728	16	209	224	393	433	233	203	189	217	107	115	32			2/51	Tr	JER
743	17	206	228	403	439	232	210	183	226	120	118	34		m	2/51	Tr	JER
753	16	205	231	394	426	217	218		229	111	115	31	11+20	m	2/50	Tr	
753	18	221	240	404	436	230	209	189	204	115	109	40	10+22	f	8/50	Tr	JER
755	18	215	234	402	443	234	212	189	224	121	131	33	9+21	m	8/50	Tr	JER

Table 6. Yellowfin from the Central Equatorial Pacific: Phoenix Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
756	18	215	240	407	444	239	213	189	212	112	116	33		f	1/51	Tr	JER
768	15	218	241	407	448	244	216	184	236	125	124	34	9+20	f	8/50	Tr	KY
776	19	217	238	418	460	248	219	193	219	115	111	31		m	2/51	Tr	JER
778	16	216	240	409	447	240	222	190	250	158	162	33	9+21		8/50	Pl	KY
779	18	214	236	412	438	234	215	180	243	129	135	33	11+22	f	2/50	Tr	
791	18	216	242	403	451	239	209	189	229	125	130	32	10+21	m	2/50	Tr	
800	22	229	231	426	493	281	217	209	255	139	140	33	8+20	m	8/50	Tr	WIC
815	21	219	239	424	472	247	230	202	249	132	140	33		m	1/51	Tr	JER
823	23	243	258	453	495	266	234	210	259	178	198	38	9+20	f	8/50	Tr	JER
829	24	226	244	439	471	248	233	206	234	129	139	36	10+21	f	8/50	Tr	JER
834	24	231	249	442	483	257	233	199	279	159	159	37	11+21	f	8/50	Tr	JER
844	25	241	254	444	483	259	227	200	274		188	41	11+19	m	8/50	Tr	JER
845	25	229	249	438	485		239	207	259	145	150	37	8+19	m	8/50	Tr	JER
854	21	237	264	454	493	266	241	197	260	142	141	36	9+21	f	8/50	Tr	KY
861	26	244	257	456	498	274	235	212	258	199	190	36	9+20	m	8/50	Tr	
864	24 1/2	237	258	455	486	264	230	212	270	158	179	37		f	1/51	Tr	JER
867	22	244	271	455	496	275	241	212	249	139	147	37	9+22	f	8/50	Tr	KY
867	27	243	262	456	504	266	239	223	252	146	155	36	9+21	m	8/50	Tr	JER
879	28	243	264	459	498	261	241	209	266	155	164	36	9+20	f	8/50	Tr	
880	28	240	263	460	502	260	247	214	259	155	168	36	9+19	f	8/50	Tr	JER
881	28	237	260	453	494	261	245	214	281	190	207	37	10+19	m	8/50	Tr	JER
889	29	242	265	459	505	270	249	221	253	147	171	39	12+22		8/50	Tr	JER
901	30	245	269	471	512	269	249	223	264	165	193	37	10+20	f	8/50	Tr	
903		242	270	479	513	271	249	226	282	193	178	38	9+21	m	6/51	Pl	WMM
904	24	249	273	467	541	282	267	216	279	166	200	39	9+20		8/50	Tr	KY
905		252	272	475	523	274	257	222	269	157	153	35	10+22	f	6/51	Pl	FCJ
918		253	281	492	531	283	254	232	265	160	163	34	10+20	f	6/51	Pl	WMM
922	32	252	272	470	514	276	247	234	290	200	256	37	10+21	m	8/50		JER
926		249	274	479	529	283	256	225	283	175	168	34	10+22	f	6/51	Pl	FCJ
927	34	252	265	400	534	296	245	226	283	136	177	34	7+20	m	7/50	Tr	WIC

Table 6. Yellowfin from the Central Equatorial Pacific: Phoenix Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	No. Gill Rakers	Sex	Month and Year	Gear	Sta.
930	32	264	283	49"	548	296	261	239	277	156	177	39		f	1/51	Tr	JER
939	30½	266	286	492	540	292	254	231	283	168	218	39			1/51	Tr	
941	30	252	276	485	538	283	259	231	268	182	196	35		f		Tr	JER
943	34	253	282	489	531	276	258	236	279	196	225	40	10+19	f	8/50	Tr	JER
945	32	250	269	487	533	271	262	230	306	192	225	39	9+20	f	8/50	Tr	JER
949	36	266	279	497	562	321	251	244	290	210	263	39	9+20	m	8/50	Tr	JER
951	32½	254	271	492	539	286	255	236	297	146	190	39		m	1/51	Tr	JER
961	36	254	276	494	532	279	262	236	277	169	205	39	10+21	m	8/50	Tr	JER
969	38	273	283	499	549	295	272	242	284	176	187	40	9+21		8/50	Tr	JER
973	38	262	282	499	544	286	263	244	315	214	254	38	9+20	m	8/50	Tr	JER
975	31½	261	287	502	500	296	259	231	293	205	225	40		f	1/51	Tr	ELN
1009	37	267	287	510	563	295	272	242	289	237	309	41		m	1/51	Tr	JER
1009	44	261	289	510	559	289	278	247	307	213	237	40	9+20	f	8/50	Tr	JER
1031		280	296	531	589	319	285	242	297	182	203	37	11+21	m	6/51	Tr	FCJ
1044	40	284	316	538	585	310	294	253	310	205	255	37	9+21		8/50	Pl	KY
1049		279	301	526	583	310	293	237	324	220	227	35	9+19	f	7/50	Tr	KY
1049	43	278	299	530	591	317	282	254	307	198	220	36		m	2/51	Tr	JER
1058		277	294	533	592	323	285	260	345	229	261	34	10+22	m	6/51	Tr	FCJ
1069	40	282	308	532	594	323	295	247	300	232	226	42	10+21	f	8/50	Tr	KY
1089	50	296	317	561	622	339	301	280	307	206	284			f	2/51	Tr	JER
1094		293	313	571	631	334	307	262	310	210	216	35	9+20	m	6/51	Pl	FCJ
1105	52	288	311	561	611	325	293	279	323	252	260	41		m	1/51	Tr	ELN
1106		306	320	563	635	338	330	284	310	258		47	10+20	m	8/50	Pl	KY
1108	49	295	316	559	615	326	304	256	306	235	258	39		f	2/50	Pl	JWR
1109		286	315	556	620	329	301	268	332	223	264	40	10+21	f	6/51	Pl	FCJ
1122		286	319	565	628	329	301	284	362		258	36	10+20	f	6/51	Pl	FCJ
1132		291	324	572	624	334	304	270	333	262	268	36	11+21		6/51	Pl	FCJ
1145		292	318	570	633	331	313	278	339	248	295	37	11+20	m	6/51	Pl	FCJ
1149		288	326	584	638	329	325	280	328	273	306	35	9+20	m	6/51	Pl	FCJ
1155	51	300	326	579	639	334	307	255	345	237	277	38	10+20	f	2/50	Tr	JWR

Table 6. Yellowfin from the Central Equatorial Pacific: Phoenix Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventrals	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1170		305	334	597	655	351	316	298	341	301	366	40	9/20	m	6/51	Pl	FCJ
1172		295	326	586	644	330	325	289	333	249	264	37	9/21	m	6/51	Pl	FCJ
1175		304	331	595	647	347	330	272	342	314	335	40	9/21	m	7/50	Tr	KY
1193		312	348	614	670	353	331	324	330	298	298	43	11/21	m	6/51	Pl	FCJ
1197	70	317	337	599	660	347	323	304	236	258		43	9/21	f	8/50	Tr	JER
1202	68	314	343	616	679	357	330	302	348	309	359	40	9/20	f	2/50	Tr	
1229	74	304	332	620	685	338	349	295	339	346	362	38	10/21	f	11/52	Ll	
1230		306	343	617	667	349	338	297	340	289	324	37	10/21	f	6/51	Pl	FCJ
1236		310	346	619	681	349	348	301	332		323	38	8/20	m	6/51	Pl	FCJ
1243	78	310	350	640	700	343	361	292	342	271	315	35	10/21	m	11/52	Ll	TO
1248		310	348	614	681	351	339	305	342	252	390	35	10/20	f	6/51	Pl	FCJ
1250		318	358	624	683	357	339	302	338	388	444	42		f	6/51	Pl	FCJ
1256		317	355	631	695	356	355	321	354		352	38	9/20	m	6/51	Pl	FCJ
1260		304	345	627	683	345	347	309	336	310	372	38	9/20	m	6/51	Pl	FCJ
1280	85	323	339	627	711	370	343	334	343	298	389	44	10/21	m	8/50	Tr	JER
1280	85	338	366	656	711	371	366	353	331	374	484	45	9/20	m	8/50	Tr	JER
1281	80	338	362	649	712	380	361	331	359	431	478	44	9/19	m	8/50	Pl	KY
1284		321	348	640	753	366	351	321	371	369	408	40	10/21	m	6/51	Pl	FCJ
1288	85	322	346	646	709	358	358	314	361	299	300	44	9/21	m	8/50	Tr	JER
1299	90	334	372	659	725	369	369	341	323	363	442	44	11/22	m	8/50	Tr	JER
1304	81	336	361	637	707	373	360	328	336	342	423	42	8/20	m	2/50	Pl	JWR
1318	99	330	367	667	736	362	363	318	344	437	466	40	8/19	f	11/52	Ll	TO
1319	86	335	364	661	726	382	358	339	329	356	469	45		m	1/51	Tr	JER
1321	98	335	376	677	741	371	380	326	331	410	474	41	10/20	m	11/52	Ll	III
1326	97	326	358	662	728	361	371	318	355	406	480	41	10/20	m	11/52	Ll	III
1344	95	345	365	667	733	386	380	337	339	490	512		9/19	m	7/50	Pl	KY
1348	114	347	380	692	765	383	392	361	390	439	486	41	10/19	m	11/52		
1349	103	346	371	688	758	385	389	322	350	456	476	43	11/21	f	11/52	Ll	III
1351	101	335	362	671	734	368	372	328	391	313	445	41	9/21	m	11/52		TO
1355		351	374	684	749	394	382	348	374	485	509	46	9/20	m	8/50	Pl	KY

Table 6. Yellowfin from the Central Equatorial Pacific: Phoenix Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Ex. Oper.
1357	109	330	362	692	732	366	370	335	373	399	467	39	9+20	m	11/52	Ll	TO
1358	104	341	371	672	734	386	370	360	332	452	510	45	9+21	m	2/50	Tr	JWR
1361		341	369	676	745	384	380	333	334	307	392	43	9+19	f	6/51	Pl	FCJ
1366	113	341	373	687	749	381	373	348	349	410	490	40	9+21	m	11/52		
1373	107	349	372	678	768	394	377	329	357	445		45	8+22	m	7/50	Ll	KE
1376	113	344		692	756	381	381	336	373		550	41	11+20	m	11/52	Ll	III
1385	112	341	385	705	758	378	388	334	361	453	489	41	11+20	m	11/52	Ll	III
1389	118	342	380	711	778	376	407	355	372	506	542	42	11+22	m	11/52	Ll	III
1390	105	364	395	705	772	410	384	379	359	439	385	49	9+20	m	8/50	Tr	JER
1390	116	347	382	706	772	361	399	345	367	464	506	43	10+21	f	11/52	Ll	III
1391	116	346	390	696	772	381	399	345	381	464	518	42	11+21	m	11/52	Ll	III
1401	113	345	370	703	773	377	394	335	375	439		44	10+20	m	7/50	Ll	KE
1416	108	341	396	710	771	378	403	367	374	517	474	43	9+20	f	8/50	Tr	JER
1420	119	354	395	715	795	390	413	352	357	544	597	44	10+21	f	11/52	Ll	III
1454	125	355	395	709	786	397	395	345	380	410	497	42	10+21	m	11/52	Ll	III
1457	126	365	399	727	793	401	399	366	361	610	694	46	9+20	m	11/52		TO
1468		374	399	730	798	421	411	372	390	483	560	44	10+20	m	8/50	Pl	KY
1470	131	366	407	739	815	406	425	362	376	436	500	43	9+20	m	11/52	Ll	TO
1502	135	374	403	714	819	415	418	382	378	552	640	45	9+20	m	11/52	Ll	TO
1505	133	381	400	743	813	410	412	384	388	611	673	46	9+20	m	11/52		TO
1681	187	400	426	808	907	468	467	410	395	524		48	9+21	m	7/50	Ll	KE

Table 7. Yellowfin from the Western Equatorial Pacific: Eastern Marshalls

1114		282	311	572	623	309	310	263	325	234	328	37	9+20	f	2/52	Ll	TO
1183	64	301	335	605	663	334	330	282	326	340		39	11+20	m	2/52	Ll	GIM
1222	67	306	329	610	665	334	332	295	356	347	406	40	8+19	m		Ll	RS
1226	67	302	332	609	657	338	323	292	347	308	370	40	10+20	f	2/52	Ll	RS
1265	75	314	347	644	696	351	350	296	345	358	369	40	9+21	f			GIM

Table 7. Yellowfin from the Western Equatorial Pacific: Eastern Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examined
1271	80	318	356	647	702	350	357	310	355	383	433	39	10+19	m	2/52	L1	TO
1279	85	314	353	641	703	352	350	315	361	356	388	40	9+18	m	2/52	L1	
1296	97	321	355	650	712	357	363	327	358	400	442	38	9+20	m	2/52	L1	RS
1307	82	330	369	651	713	367	341	309	350	349	466	43	10+20	f	2/52		GIM
1309	91	330	368	653	715	367	357	322	377	360	428	40	8+22	m	2/52		RS
1317		332	356		715			325	357		437	40	10+21	m	2/52	L1	TO
1325	98	330	365	674	738	362	378	326	356		433	40	10+20	f	2/52		
1333	97	335	368	677	743	369	374	329	363	434	443	42	9+21	f	2/52	L1	TO
1336	100	327	366	682	737	371	365	332	354	536	615	46	9+19	f	2/52		GIM
1355	109	335	378	679	747	382	362	342	336	464	541	43	9+20	m			GIM
1359	99	332	366	688	738	378	369	331	356	391	480	41	9+19	m	2/52	L1	
1365	106	341	380	679	750	390	369	351	351	542	646	45	8+20	m	2/52	L1	RS
1367		345	378	697	757	380	381	337	358	541	651	43	9+19	f	2/52	L1	TO
1377	100	341	381	692	758	381	391	336	357	467	561	44		f	2/52	L1	GIM
1379	115	347	386	702	767	385	392	361	359	497	573	43	10+21	m	2/52	L1	
1380		342	382	698	770	387	395	355	358	448	565	44	10+21	f	2/52	L1	RS
1385		338	374	678	756	372	398		370	561	631	44	10+20	f	2/52	L1	RS
1392	108	347	374	701	774	390	389	340	339	474	556	41	10+20	m	2/52	L1	TO
1397	100	340	378	705	778	379	404	335	361	400	482	41	10+20	f	2/52	L1	RS
1402	112	351	392	707	774	391	392	357	374	488	547	45	9+21	m	2/52	L1	
1403	110	355	390	704	766	391	386	361	385	553	583	45	9+19	f	2/52	L1	TO
1404	121	346	383	705	772	390	390	361	330	352	562	49	10+20	m		L1	RS
1410	113	345	387	690	763	390	377	339	355	411	484	42	9+20	m	2/52		GIM
1415	121	366	387	703	785	413	387	373	363	620	684	44	10+20	m	2/52	L1	TO
1420	114	359	391	715	788	394	403	345	385	511	590	46	10+20	f	2/52	L1	RS
1425	116	368	410	726	793	408	401	364	375	544	655	47	9+21	m	2/52	L1	RS
1435	125	359	399	724	789	394	403	360	396	561	661	42	9+20	m	2/52	L1	RS
1437	123	360	400	724	797	399	404	347	387	463	503	45	10+21	f	2/52	L1	
1441	121	358	397	723	790	393	399	361	369	524	608	43	9+20	m	2/52	L1	RS
1456	128	361	391	723	790	389	403	363	386	505	522	45	10+21	m	2/52	L1	TO

Table 7. Yellowfin from the Western Equatorial Pacific: Eastern Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1457	131	361	395	732	803	401	413	373	351	506	562	44	9/19	m	2/52	Ll	GIM
1465	128	365	397	735	801	402	414	374	352	474	445	44	8/20	m	2/52	Ll	TO
1470	131	360	401	739	815	394	430	366	370	616	682	44	9/22	m	2/52	Ll	TO
1473	125	363	404	731	798	417	387	366	386	532	587	46	9/19	m	2/52	Ll	RS
1482	129	371	413	743	826	411	418	366	376	550	608	47	9/20	m	2/52		RS

Table 8. Yellowfin from the Western Equatorial Pacific: Western Marshalls

336	1.6	96	109	189	208	106	102	88	101	27	30	19	9/21		8/51	Pl	WVC
388	2.5	111	129	218	235	127	114	105	117	42	39	21	9/21		8/51	Ll	WVC
458	3.4	140	146	252	275	145	133	120	138	51	46	22	9/20		7/51	Ll	WVC
492	4.8	138	156	268	299	157	138	129	154	62	56	24	8/20		7/51	Ll	WVC
514	5.5	148	160	282	313	166		129	164	62	59	27			*/47	Tr	JCM
522	8	149	165	291	320	170		134	163	60	60	28			*/47	Tr	JCM
523	5.3	149	168	282	312	162	154	132	170	66	63	27	8/20		7/51	Ll	WVC
525	6	152	164	290	321	177		130	157	63	61	26			*/47	Tr	JCM
526	6	155	171	294	324	182		135	154	57	54	28			*/47	Tr	JCM
529	6.2	154	176	300	321	169	155	142	161	67	65	27	10/21	m	7/51	Ll	WVC
530	6.5	152	163	294	321	173		136	158	59	56	27			*/47	Tr	JCM
533	5	152	160	292	323	174		131	165	62	60	27			*/47	Tr	JCM
534	6	157	170	294	328	176		132	159	61	60	27			*/47	Tr	JCM
536	6	153	166	294	324	172		125	173	65	62	27			*/47	Tr	JCM
540	7	154	168	296	326	175		136	168	72	67	26			*/47	Tr	JCM
541		160	179	303	329	177		137	160	59	62	27			*/47	Tr	JCM
544	6.5	158	170	299	329	173		131	160	63	64	27			*/47	Tr	JCM
546	6.5	156	168	294	325	175		136	172	67	63	28			*/47	Tr	JCM
547	6.5	156	168	300	332	175		136	174	65	66	30			*/47	Tr	JCM
549	6.5	158	168	296	326	178		138	173	68	63	29			*/47	Tr	JCM
551	6	160	166	299	330	180		134	175	66	60	28			*/47	Tr	JCM
552	7	163	173	305	337	180		140	171	63	64	27			*/47	Tr	JCM
553	7	158	170	302	336	181		137	165	64	63	29			*/47	Tr	JCM
561	7	160	170	304	336	180		137	168	70	70	26			*/47	Tr	JCM
565	7	161	175	308	336	183		140	167	69	61	29			*/47	Tr	JCM

*From July 19 to August 26.

Table 8. Yellowfin from the Western Equatorial Pacific: Western Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
567	7.5	164	173	310	345	187		144	182	71	67	28			*/47	Tr	JCM
577	8.1	168	189	317	347	185	166	155	168	74	69	28	9/21	f	8/51	Ll	WVC
585	9	170	191	319	328	187	164	149	194	85	77	31	10/20	m	7/51	Ll	WVC
585	7.5	171	184	316	354	190		144	186	71	70	29			*/47	Tr	JCM
595	8.5	168	194	325	355	188	174	151	175	84	82	29	9/19	f	7/51	Ll	WVC
596	8.2	170	184	321	346	183	168	151	181	79	75	25	10/21	m	7/51	Ll	WVC
598	8.5	169	189	324	351	185	171	153	195	84	83	31	9/20	m	7/51	Ll	WVC
600	8	173	186	329	355	195		152	183	74	75	31			*/47	Tr	JCM
605	9	170	182	327	353	185		152	181	77	82	30			*/47	Tr	JCM
621		175	195	340	369	190	184	153	195	84	83	30	3/20	f	7/51	Ll	WVC
655	11	184	198	350	385	210		163	194	94	93	29			*/47	Tr	JCM
661	11	181	200	354	391	202		167	212	91	93	29			*/47	Tr	JCM
666	11	186	202	354	390	210		159	194	85	83	31			*/47	Tr	JCM
676	12.5	186	203	362	396	207		167	216	100	98	29			*/47	Tr	JCM
726	14	202	216	388	428	229		178	224			30			*/47	Tr	JCM
739	17	208	220	394	432	227		181	211	93	99	31			*/47	Tr	JCM
763	18	212	221	405	454	249		188	223	121	127	32			*/47	Tr	JCM
787	19	210	227	411	450	235		185	236	114	107	32			*/47	Tr	JCM
826	21.5	232	245	432	486	260		197	244	136	118				*/47	Tr	JCM
837	21.5	236	256	443	484	256		211	252	125	130				*/47	Tr	JCM
839	29	230	251	440	466	244		208	260	150	176	35			*/47	Tr	JCM
846	23.5	230	247	442	490	255		205	248	144	144	32			*/47	Tr	JCM
897	27	242	259	466	513	271		213	272	174	179	33			*/47	Tr	JCM
931	30	243	286	485	521	264		223	290	209	200	37			*/47	Tr	JCM
933	33	256	278	487	528	280		234	258	142	153				*/47	Tr	JCM
935		254	264	497	541	281		225	273	157	165	35			*/47	Tr	JCM
943	40	258	281	497	552	286		235	285	173	167	35			*/47	Tr	JCM
1015	45	268	287	517	573	301		247	304	170	176	34			*/47	Tr	JCM
1041	45	268	297	539	589	303		251	294		248	35			*/47	Tr	JCM
1078	49	277	296	550	573	308		265	307	250	255	37			*/47	Tr	JCM

*From July 19 to August 26.

Table 8. Yellowfin from the Western Equatorial Pacific: Western Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Mid. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Area
1103	52	282	310	550	622	326		267	317	247	306	38			*/47	IR	[illegible]
1501		364	402	754	822	401	432	377	379	550	594	44		m	5/51	L1	TO
1513	133 3/4	366	425	740	806	403	417	373	363	495	546	44	7≠20	m	5/51	L1	WVC
1522		372	406	782	828	416	425	384	387	582	631	42		m	5/51	L1	TO
1525	151 3/4	376	413	746	827	412	434	396	387	521	656	47	8≠20	m	7/51	L1	WVC
1542	148	381	405	758	849	438	424	393	373	561	672	44		m	5/51	L1	TO
1561	155 3/4	381	434	776	854	416	437	394	376	500	528	46	10≠21	m	7/51	L1	WVC
1564	165 3/4	370	426	766	843	403	432	391	396	597	693	45	9≠20	m	7/51	L1	WVC
1652	183 1/4	396	448	811	885	430	455	428	393	652	818	49	8≠19	m	7/51	L1	WVC
1669	162 1/2	419	482	838	924	446	480	407	393	632	765	46	9≠21	m	7/51	L1	WVC

Table 9. Yellowfin from the Western Equatorial Pacific: Eastern Carolines

490	3	139	157	270	293	155	147	128	162	60	57	25	9≠18	f	4/51	L1	TO
502	5.8	145	161	274	293	160	145	131	158	62	61	25	8≠19		6/51	L1	WVC
518		149	164	283	310	166	147	128	156	65	57	28			8/50	L1	BMS
546		156	171	293	325	172	156	133	176	71	66	28			8/50	L1	BMS
549		158		309	338	181	166	150	149	62	61	23	8≠20	f	6/51	L1	WVC
554	7.9	163	182	308	332	178	160	144	179	76	74	30	9≠20	m	6/51	L1	WVC
559	6.9	162	179	303	328	177	165	138	179	72	70	27	6≠20	f	6/51	L1	WVC
565		164	175	305	339	181	165	144	183	75	73	30			7/50	L1	BMS
571	7.6	165	188	316	331	175	156	143	177	76	75	29	9≠19	m	6/51	L1	WVC
574	7.6	165	187	316	337	180	163	149	182	85	81	30	9≠20	m	6/51	L1	WVC
579	7.9	166	186	317	341	183	165	150	186	86	85	30	9≠20	f	6/51	L1	WVC
579	7.8	166	186	320	343	181	165	147	190	80	78	28	9≠19		6/51	L1	WVC
585	9	165	190	316	350	180	170	151	184	79	80	28			4/51	L1	TO
586	8.9	171	196	329	354	184	173	154	192	88	78	28	9≠21	f	6/51	L1	WVC
587		164	181	317	343	184	165	152	187	80	84	28			8/50	L1	BMS
587	7.9	166	183	315	344	182	165	147	185	82	80	28	9≠20	m	6/51	L1	WVC
588	9	169	179	323	354	183	173	145	181	80	77	29	9≠20	f	4/51	L1	TO
591		167	182	321	350	189	164	143	190	80	79	29			8/50	L1	BMS
592		169	186	319	346	188	166	145	190	86	82	28			7/50	L1	BMS
605		170	185	322	352	190	181	150	194	85	88	28			7/50	P1	BMS

*From July 19 to August 26

Table 9. Yellowfin from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
605		172	188	325	357	188	175	148	199	90	90	29			8/50	L1	BMS
611		174	191	331	360	191	176	158	184	82	81	30			7/50	L1	BMS
614		178	187	329	361	195	174	165	205	90	90	29			7/50	L1	BMS
626		176	191	335	363	198	174	164	204	101	96	28			8/50	L1	BMS
630		176	196	339	369	194	179	155	205	97	96	29			8/50	L1	BMS
636		181	201	343	373	202	178	166	209	102	102	30			8/50	L1	BMS
639		180	195	346	380	201	184	159	208	91	92	29			8/50	L1	BMS
641		180	195	346	382	203	182	164	216	99	99	31			7/50	L1	BMS
647		179	193	344	378	190	190	154	208	95	95	30			8/50	L1	BMS
660		187	206	353	386	207	187	168	195	103	106	30			7/50	L1	BMS
661		187	201	349	393	206	193	168	196	97	92	31			7/50	L1	BMS
662		186	208	364	397	207	197	166	214	100	100	28			7/50	L1	BMS
674		182	205	360	396	203	195	167	209	95	94	28			8/50	L1	BMS
676		186	207	363	397	212	191	170	232	103	108	30			8/50	L1	BMS
677		191	210	366	401	213	191	164	200	97	103	30			8/50	L1	BMS
681		186	210	367	391	208	189	168	217	115	123	30			8/50	L1	BMS
683		189	206	364	408	209	207	171	217	101	103	31			8/50	L1	BMS
687		191	212	371	404	212	200	168	219	101	107	32			7/50	L1	BMS
688		193	216	375	399	208	191	180	208	102	107	30	10/22	f	5/51	L1	TO
689		198	218	369	409	218	196	176	224	114	122	32			7/50	L1	BMS
692		195	212	371	410	219	196	176	213	100	112	28			8/50	L1	BMS
697		190	214	377	411	211	201	174	235	101	105	29		f	4/51	L1	TO
703		193	218	374	411	218	197	169	213	98	110	31			8/50	L1	BMS
704		196	217	378	413	216	205	169	218	103	113	33			8/50	L1	BMS
705		197	218	378	417	208	210	175	230	113	117	31			7/50	L1	BMS
706		196	217	377	416	217	208	179	223	116	113	31			8/50	L1	BMS
719		198	215	378	422	224	207	169	227	112	119	31			8/50	L1	BMS
721		200	221	325	425	226	206	178	224	116	128	31			8/50	L1	BMS
722		198	217	383	426	221	211	182	241	120	129	31			8/50	L1	BMS
724		196	221	384	419	221	207	177	246	120	123	33			8/50	L1	BMS

Table 9. Yellowfin from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Post. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
724		200	217	381	421	225	[illegible]	174	220	118	110	33			8/50	L1	BMS
737		204	226	390	423	226	216	180	229	118	121	30			8/50	L1	BMS
754		209	231	395	438	236	203	186	245	128	138	30			7/50	L1	BMS
761		203	219	397	434	228	213	183	242	123	136	29			8/50	L1	BMS
769		207	228	397	443	237	218	181	242	116	123	31			8/50	L1	BMS
773		208	226	397	443	232	220	181	257	127	138	33			8/50	L1	BMS
785		215	234	414	457	250	215	182	238	128	132	32			8/50	L1	BMS
787		214	229	410	452	236	226	186	230	146	157	33			8/50	L1	BMS
788		215	233	417	453	238	221	188	243	126	128	32			9/50	L1	BMS
798		218	237	417	457	238	225	194	236	126	133	31			7/50	L1	BMS
800		217	243	420	461	242	228	196	255	141	161	31			8/50	L1	BMS
808		220	247	427	466	244	232	203	248	147	149	32			7/50	L1	BMS
814		218	236	422	461	249	221	189	243	133	146	34			8/50	L1	BMS
819		223	245	427	475	246	235	209	253	141	159	33			7/50	L1	BMS
822		222	248	434	473	249	229	202	240	137	150	33			8/50	L1	BMS
836		229	252	436	486	255	239	201	254	154	160	34			8/50	L1	BMS
845		226	255	445	488	254	245	202	254	150	155	32			8/50	L1	BMS
849		228	251	441	490	254		211	269	156	178	34			8/50	L1	BMS
852		222	249	438	486	251	240	194	263	145	167	33			8/50	L1	BMS
857		233	255	449	492	261	234	214	263	147	187	33			8/50	L1	BMS
859		234	248	445	490	263	235	202	272	162	171	33			8/50	L1	BMS
860		230	255	450	483	250	241	215		177	189	34			7/50	L1	BMS
863		230	253	454	488	253	240	208	272	175	187	33			8/50	L1	BMS
882		236	255	458	496	264	240	208	272	171	206	35			8/50	L1	BMS
885		236	264	470	507	256	254	219	280	165	187	33		f	4/51	L1	TO
886		239	261	458	505	263	251	218	294	179	198	34			8/50	L1	BMS
889		234	265	467	503	258	251	205	280	164	183	34			8/50	L1	BMS
889		237	259	459	512	263	254	211	290	162	186	34			8/50	L1	BMS
896		241	269	468	512	273	250	220	291	169	195	35			8/50	L1	BMS
901		238	258	459	507	258	258	206	292	171	183	35			8/50	L1	BMS

Table 9. Yellowfin from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Pectoral	Ins. Ventrals to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Locality
915		240	268	469	519	272	253	219	280	174	206	33			8/50	LL	BMS
916		242	272	479	523	270	263	224	272	176	190	38			8/50	LL	BMS
924		248	272	475	521	273	253	217	280	167	181	34			8/50	LL	BMS
926		248	272	476	526	293	260	214	276	184	194	33			8/50	LL	BMS
930		244	277	486	533	269	273	221	292	172	170	32			7/50	LL	BMS
932		247	266	479	527	277	261	219	280	177	191	34			7/50	LL	BMS
946		249	269	481	540	274	272	225	293	200	234	35			8/50	LL	BMS
946		254	280	483	535	278	269	234	296	190	208	35			8/50	LL	BMS
971		256	283	492	539	284	268	235	302	175	197	34			8/50	LL	BMS
972		255	283	501	543	280	272	229	278	176	210	35			8/50	LL	BMS
979		255	277	505	547	286	269	238	312	219	228	36			8/50	LL	BMS
979		258	284	496	554	289	278	229	310	205	226	36			8/50	LL	BMS
979		260	291	499	549	298	267	231	297	229	268	34			7/50	LL	BMS
981		255	280	503	553	290	273	235	269	186	210	36			8/50	LL	BMS
985		251	275	499	548	284	272	226	286	194	218	35			8/50	LL	BMS
1046		272	300	535	582	307	285	238	311	229	255	37			8/50	LL	BMS
1072		276	306	542	596	313	291	254	331	216	223	37			8/50	LL	BMS
1083		282	308	554	605	312	305	265	324	230	261	38			9/50	LL	BMS
1084		284	309	557	612	313	313	269	322	261	294	36			8/50	LL	BMS
1087		278	308	543	592	305	296	254	341	279	288	36			8/50	LL	BMS
1088		279	311	550	603	317	301	264	326	234	256	36			8/50	LL	BMS
1108		289	320	562	616	327	304	272	341	258	312	36			7/50	LL	BMS
1136		286	318	568	630	314	324	281	320	281	316	38			7/50	LL	BMS
1144		290	326	577	622	320	311	267	343	322	340	37			7/50	LL	BMS
1144		287	322	579	637	323	325	268	326	307	338	36			8/50	LL	BMS
1147		281	307	567	627	318	324	276	339	263	295	37			7/50	LL	BMS
1154		290	328	579	646	318	338	269	354	291	324	39			8/50	LL	BMS
1155		297	322	583	637	334	312	279	329	292	325	38			8/50	LL	BMS
1158		294	324	577	632	335	311	273	348	290	369	39			8/50	LL	BMS
1163		295	331	585	645	330	323	285	384	276	323	37			8/50	LL	BMS

Table 9. Yellowfin from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventrals	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1168		298	336	598	648	332	320	289	337	334	348	37			8/50	L1	BMS
1170		292	321	577	648	328	331	284	320	285	319	37			8/50	L1	BMS
1170		292	330	574	644	329	327	274	330	300	312	37			8/50	L1	BMS
1179		302	326	596	641	335	318	278	320	322	391	38			8/50	L1	BMS
1195		299	338	594	656	331	334	301	347	364	408	37			7/50	L1	BMS
1210		310	340	606	664	348	331	294	342	356	397	40			8/50	L1	BMS
1225		308	340	602	664	337	337	298		280	385	40			8/50	L1	BMS
1227		313	354	624	680	349	339	288	355	332	409	40			8/50	L1	BMS
1232		313	350	626	680	350	345	301	327	391	423	40			8/50	L1	BMS
1235		312	345	616	683	347	353	303	338	364	385	40			8/50	L1	BMS
1238		309	346	622	678	339	350	300	346	376	412	41			8/50	L1	BMS
1243		317	350	618	688	351	349	299	346	353	351	38			8/50	L1	BMS
1257		323	349	630	667	360	338	312	333	382	426	38			8/50	L1	BMS
1274		323	361	647	706	359	359	315	374	457	503	41			8/50	L1	BMS
1282		324	350	641	711	367	360	331	338	435	416	40			8/50	L1	BMS
1289		316	350	638	711	370	350	325	370	434	508	41			8/50	L1	BMS
1295		317	353	647	710	350	372	325	336	406	472	42			7/50	L1	BMS
1314		327	369	664	712	368	364	333	371	425	457	41			8/50	L1	BMS
1317		325	355	651	709	363	368	324	349	392	430	39			8/50	L1	BMS
1320		328	367	652	727	361	377	318	358	387	440	38			8/50	L1	BMS
1327		336	370	656	721	375	362	318	381	517	630	42			8/50	L1	BMS
1336		339	366	650	738	376	377	341	363	613	650	45			7/50	L1	BMS
1341		332	377	666	721	373	361	331	374	443	498	40			8/50	L1	BMS
1350		345	381	675	750	384	383	348	346	450	498	42			8/50	L1	BMS
1357	99	329	369	668	748	381	385	331	372	349	428	41		f	4/51	L1	TO
1358		346	374	672	747	380	380	357	370	460	573	45			8/50	L1	BMS
1365		339	362	669	744	372	392	324	370	412	489	40			8/50	L1	BMS
1372		341	369	681	748	381	381	345	387	489	554	41			8/50	L1	BMS
1375		348	382	682	760	387	382	337	362	518	612	43			8/50	L1	BMS
1378		351	378	682	748	397	351	344	360	528	645	45			8/50	L1	BMS

Table 9. Yellowfin from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Boat
1378		351	379	681	753	398	372	345	375	544	674	47			7/50	L1	BMS
1379		357	387	688	764	396	378	349	362	412	622	44			8/50	L1	BMS
1381		347	375	686	756	387	380	354	360		545	43			8/50	L1	BMS
1384		340	387	692	752	386	384	352	350	462	581	48			8/50	L1	BMS
1384		351	361	681	756	397	368	342	362	499	582	41			8/50	L1	BMS
1386		349	381	690	754	391	382	341	387	441	527	43			8/50	L1	BMS
1387		342	371	675	745	380	376	324	369	380	549	44			8/50	L1	BMS
1397		347	382	693	765	386	394	357	374	490	547	44			8/50	L1	BMS
1401		347	381	693	772	390	397	353	356	454	476	43			8/50	L1	BMS
1425		354	386	707	786	393	410	352	365	485	324	42			8/50	L1	BMS
1428		350	389	696	769	392	396	348	355	438	311	42			7/50	L1	BMS
1440		361	381	708	782	403	403	352	370	621	660	43			8/50	L1	BMS
1458		352	382	710	793	401	410	373	382	535	633	41			8/50	L1	BMS
1475		360	397	715	801	411	410	353	380	573	643	44			8/50	L1	BMS
1477		356	406	722	791		405	362	374	517	602	43			8/50	L1	BMS
1479		364	391	709	791	407	402	360	380		641	42			8/50	L1	BMS
1499		374	417	740	804	409	413	378	385	639	699	45			8/50	L1	BMS
1500		364	404	748	827	410	433	381	389	542	588	43			8/50	L1	BMS
1509		381	410	742	826	425	422	386	366	549	646	46			8/50	L1	BMS
1512	126	362	413	760	840	410	428	352	368	512		41		f	5/51	L2	TO
1520		379	412	748	824	409	431	398	406	638	682	44		m	8/50	L1	BMS
1522	146¾	366	416	760	818	394	431	390	365	622	678	44	7+20	m	6/51	L1	WVC
1526		382	433	761	836	423	433	394	385	600	632	45			8/50	L1	BMS
1536		396	409	765	860	433	443	399	383	608		44		m	6/51	L2	TO
1551		390	424	772		434	444	406	388	692	757	48		m	8/50	L1	BMS
1557		390	443	773	849	440	430	382	389	711	752	48			8/50	L1	BMS
1568		379	417	757	839	417	436	382	378	540	715	47			8/50	L1	BMS
1571		379	426	770	849	418	438	401	384	503	652	45		m	6/51	L1	TO
1578		387	434	768	840	430	431	395	382	666	777	46			8/50	L1	BMS
1579		384	449	787	859	421	450	408	392	515	564	43		m	6/51	L2	WVC
1676	165	393	446	823	908	444	470	395	397	621	750	41		m	4/51	L1	TO

Table 10. Yellowfin from the Western Equatorial Pacific: Central Carolines

Total Length	Weight	Head Length	Body Depth	Body Girth	Caudal Length	Caudal Width	Interorbital Width	Snout to Dorsal	Height 1st Dorsal	Height 2nd Dorsal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Collector
174		136	151	261	287	183	139	120	147	68	53	24		7/50	LL	BMS
504		141	161	276	299	157	150	136	159	69	63	24		6/50	LL	BMS
540		150	168	291	321	167	166	136	171	73	68	26		7/50	PL	BMS
571		166	176	308	336	186	156	141	184	77	77	20		7/50	LL	BMS
575		161	180	314	340	177	163	140	174	80	79	27		6/50	LL	BMS
581		164	184	318	358	187	174	134	174	78	73	28		6/50	LL	BMS
593		166	184	331	366	187	161	144	182	82	76	32		6/50	LL	BMS
606		168	187	321	357	190	175	148	200	85	84	29		7/50	LL	BMS
616		172	192	336	369	191	180	154	198	88	90	29		7/50	LL	BMS
622	10	177	194	337	374	202	175	157	193	84	87	31	10/20	6/50	LL	BMS
636		177	199	341	377	200	188	161		98	71	28		7/50	LL	BMS
637		180	199	353	394	201	191	160	192	92	87	29		6/50	LL	BMS
643		181	201	351	388	209	180	160	201	90	84	30		6/50	LL	BMS
645		183	199	351	390	207	192	162	200	100	95	29		6/50	LL	BMS
649		182	205	351	391	207	190	160	215	98	10	30		6/50	LL	BMS
667		189	204	360	396	215	192	162	206	97	95	32		7/50	LL	BMS
680		191	210	366	401	205	201	179	219	109	104	30		6/50	LL	BMS
682		192	210	370	407	217	195	162	235	112	117	30		6/50	LL	BMS
704		198	218	379	418	225	198	178	220	115	118	31		6/50	LL	BMS
707		192	210	368	408	209	207	169	225	104	113	30		12/50	LL	KE
707		196	220	381	416	215	206	180	222	117	122	30		7/50	LL	BMS
729		201	223	386	424	232	198	184	238	121	131	31		7/50	LL	BMS
732		199	225	394	429	221	217	161	242	110	119	30		12/50	LL	KE
737		201	223	390	429	224	209	178	228	121	129	31		7/50	LL	BMS
738		206	218	382	440	245	212	181	238	115	117	30		6/50	LL	BMS
742		207	225	397	439	234	217	181	244	116	120	29		6/50	LL	BMS
746		204	231	402	443	235	218	183	245	113	122	33		6/50	LL	BMS
750		207	229	404	449	252	219	186	236	126	127	34		6/50	LL	BMS
753		209	227	393	454	245	217	187	240	124	134	33		6/50	LL	BMS
756		207	233	403	446	229	219	184	238		134	31		6/50	LL	BMS

Table 10. Yellowfin from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
757		209	228	397	448	241	214	183	236	129	125	33			6/50	L1	BMS
761		202	220	399	440	227	220	184	243	124	132	32			12/50	L1	KE
766		221	234	416	451	237	232	196	239	129	134	31			6/50	L1	BMS
773		213	240	406	441	234	214	193	254	134	153	31			6/50	L1	BMS
781		212		404	444	239	211	186	249	137	140	32			7/50	L1	BMS
788		215	242	416	459	242	229	198	248	132	135	33			7/50	L1	BMS
791	20	214	236	417	453	240	227	197	253	136	135	32	9/19		6/50	L1	BMS
801		214	238	419	461	237	238	202	269	156	169	33			7/50	L1	BMS
807		220	241	423	473	252	237	201	262	135	148	32			6/50	L1	BMS
814		220	240	424	479	250	231	182	243	144	149	32			12/50	L1	KE
817		223	244	427	489	256	241	197	254	134		33			6/50	L1	BMS
820		220	249	434	477	247	231	204	252	153	149	33			7/50	L1	BMS
825		218	252	436	488	252	243	198	281	146	163	31			6/50	L1	BMS
829		220	249	431	483	254	237	198	260	152	152	32			6/50	L1	BMS
831		224	254	430	485	248	238	195	282	147	155	34			6/50	L1	BMS
833		223	247	433	483	253	242	200	277	166	183	34			7/50	L1	BMS
848		226	240	429	512	293	235	221	257	143	161	34			6/50	L1	BMS
849		229	251	438	495	262	242	201	270	151	157	34			7/50	L1	BMS
858		226	251	444	493	250	252	212	264	160	176	32			7/50	L1	BMS
861		230	254	443	489	260	239	212	281	179	188	33			7/50	L1	BMS
861		232	261	453	504	265	244	231	284	140	175	33			6/50	L1	BMS
863		231	258	459	514	266	250	212	264	166	189	31	9/19		6/50	L1	BMS
866		230	252	442	497	250	246	211	276	154	162	33			7/50	L1	BMS
874		238	261	454	507	263	246	214	278	163	173	33			7/50	L1	BMS
875		233	260	449	503	273	246	209	285	186	192	35			6/50	L1	BMS
879		234	258	451	517	270	253	206	284	174	177	31			6/50	L1	BMS
882		241	263	460	506	266	250	213	272	156	181	33			7/50	L1	BMS
893		240	265	463	492	253	246	228	302	178	203	32		f	7/50	L1	BMS
900		240	268	465	507	269	246	220	269	160	173	35			7/50	L1	BMS
909		245	279	478	532	275	259	220	277	174	171	36			6/50	L1	BMS

Table 10. Yellowfin from the Western Equatorial Pacific: Central Carolines (Continued)

Fork Length	Weight	Head Length	Snout to 1st Dorsal	1st Dorsal to 2nd Dorsal	2nd Dorsal to Anal	Snout to Anal	1st Ventral to Tip of Pectoral	Greatest Body Depth	Length Pectoral	Height 1st Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Lab.
914		244	265	470	513	273	251	222	285	181	192	34			6/50	L1	BMS
915		243	272	472	522	270	261	215	287	153	171	33			7/50	L1	BMS
920		245	268	478	517	281	267	222	268	167	180	37			6/50	L1	BMS
920		246	270	474	520	277	248	226	290	185	195	35			6/50	L1	BMS
934		245	267	468	529	274	264	224	305	186	192	3[illegible]			7/50	L1	BMS
941		243	278	482	531	274	263	220	288	197	205	35			6/50	L1	BMS
941		244	263	476	526	273	265	224	310	188	201	34			7/50	L1	BMS
948		254	276	491	541	280	273	221	286	187	198	35			7/50	L1	BMS
949		249	282	488	549	290	271	223	297	187	198	36			6/50	L1	BMS
958		254	283	495	541	280	269	225	293	185	209	33			7/50	L1	BMS
960		249	271	492	555	290	273	235	281	181	201	34			12/50	L1	KE
963		249	275	492	542	281	271	229	300	162	179	34			6/50	L1	BMS
967		257	285	498	547	286	275	234	289	201	221	35			12/50	L1	KE
975		252	285	486	539	280	271	241	280	194	218	34			7/50	L1	BMS
983		259	286	507	558	293	272	237	275	199	233	37			7/50	L1	BMS
985		257	281	492	552	287	279	237	300	193	212	36			7/50	L1	BMS
993		260	281	498	559	293	281	226	296	205	230	36			7/50	L1	BMS
997		252	285	505	563	281	273	230	314	202	224	33			7/50	L1	BMS
999		256	284	512	560	286	279	235	319	210	260	35			6/50	L1	BMS
1002	36	259	275	510	560	303	275	232	293	207	214	34	6/19		6/50	L1	BMS
1002		264	295	522	562	296	270	241	325	208	245	34			6/50	L1	BMS
1004		259	291	511	565	289	282	240	313	203	214	36			6/50	L1	BMS
1005		261	286	512	567	294	280	230	291	193	222	34			6/50	L1	BMS
1007		263	287	511	560	290	277	228	315	204	218	34		M	7/50	L1	BMS
1008		259	284	521	558	287	275	227	314	246	267	35			7/50	L1	BMS
1008		260	298	513	570	294	288	247	327	218	251	36			6/50	L1	BMS
1015		263	289	519	570	302	275	244	311	192	205	35			7/50	L1	BMS
1022		270	291	533	582	312	285	258	340	233	284	34			6/50	L1	BMS
1025		269	290	530	582	287	285	244	298	214	238	34			7/50	L1	BMS
1026		264	291	509	574	297	287	236	321	223	247	35			6/50	L1	BMS

Table 10. Yellowfin from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1031		264	285	510	574	293	288	241	307	234	258	34			7/50	L1	BMS
1032		267	290	517	567	294	280	245	316	191	236	35			6/50	L1	BMS
1037		271	294	523	591	300	297	237	340	257	263	36			6/50	L1	BMS
1043		274	301	524	582	301	290	253	306	202	237	35			7/50	L1	BMS
1047		269	296	524	593	305	295	251	318	222	245	34			6/50	L1	BMS
1047		274	299	512	583	309	285	246	311	199	222	37			6/50	L1	BMS
1053		268	302	535	585	300	290	255	333	241	269	35			7/50	L1	BMS
1055		269	298		578	301	287	246	313	241	255	35			7/50	L1	BMS
1059	43	271	307	526	586	303	297	246	310	232	272	36	8+20		6/50	L1	BMS
1060		269	287	523	580	294	305	238	308	194	214	34			6/50	L1	BMS
1060		272	295	534	586	299	298	239	318	240	260	36			7/50	L1	BMS
1064		270	298	544	615	327	297	247	309	245	245	35			6/50	L1	BMS
1067		271	293	528	593	303	305	245	316	230	268	35			7/50	L1	BMS
1067		279	308	547	600	306	301	246	312	259	234	38			6/50	L1	BMS
1068		280	312	559	613	322	299	255	298	227	241	39			6/50	L1	BMS
1069		271	300	533	613	298	318	255	314	241	245	38			6/50	L1	BMS
1069		277	301	541	598	312	298	261	330	267	288	38			7/50	L1	BMS
1074		279	304	540	607	321	301	259	328	255	312	36			6/50	L1	BMS
1078		276	307	535	610	307	313	240	320	233	256	35			7/50	L1	BMS
1086		270	300	539	595	299	306	250	320	272	308	35			6/50	L1	BMS
1090		287	300	545	605	341	291	251	315	255	269	37			6/50	L1	BMS
1099		281	308	549	600	316	297	261	334	237	279	35			7/50	L1	BMS
1100		282	310	556	616	325	301	260	347	248	288	36			7/50	L1	BMS
1102		288	323	567	604	322	296	267	325	252	275	35			7/50	L1	BMS
1104		285	310	565	607	319	303	262	316	256	282	37			6/50	L1	BMS
1105		280	315	560	613	315	308	271	319	295	311				7/50	L1	BMS
1108		288	316	558	622	318	312	271	313	268	300	36			6/50	L1	BMS
1109		279	305	550	608	312	314	258	332	297	317	37			7/50	L1	BMS
1113		281	310	562	623	316	311	267	353	242	259	37			6/50	L1	BMS
1113		290	323	559	609	320	299	265	344	260	293	38			7/50	L1	BMS

Table 10. Yellowfin from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1115		282	312	559	621	315	319	263	353	265	307	37			7/50	L1	BMS
1120		285	313	567	621	316	314	264	330	269	302	36			7/50	L1	BMS
1123		283	327	574	623	321	314	273	321	288	320	37			6/50	L1	BMS
1123		284	315	563	627	318	319	271	313	257	247	35			6/50	L1	BMS
1128		285	322	566	626	326	318	268	337	257	316	36			6/50	L1	BMS
1130		287	320	583	632	324	310	266	327	246	282	36			6/50	L1	BMS
1130		291	318	576	643	323	330	276	337	271	322	36			7/50	L1	BMS
1133		284	313	568	636	320	335	269	330	261	314	37			7/50	L1	BMS
1134		286	322	580	632	321	320	270	333	326	358	37			7/50	L1	BMS
1134		288	320	571	623	323	313	270	346	271	296	37			7/50	L1	BMS
1142		289	320	569	627	325	311	269	341	306	353	39			7/50	L1	BMS
1144		298	335	578	624	325	304	287	332	331	352	38			7/50	L1	BMS
1148		295	338	579	627	328	304	280	332	315	355	39			6/50	L1	BMS
1168		302	328	582	656	351	315	281	332	287	304	38			6/50	L1	BMS
1170		300	321	572	675	354	342	267	347	280	328	39			6/50	L1	BMS
1183		303	338	597	659	340	329	295	347	334	371	38			7/50	L1	BMS
1189		307	349	614	653	344	316	291	314	351	397	39		f	7/50	L1	BMS
1192		302	333	595	656	327	326	289	352	334	374	38			6/50	L1	BMS
1196		301	337	593	660	338	333	288	343	349	417	39			7/50	L1	BMS
1202		301	341	611	672	339	345	291	340	375	409	40			7/50	L1	BMS
1204		324	350	634	680	351	334	315	339	461	538	42			6/50	L1	BMS
1206		301	340	602	673	342	337	294	325	271	379	37		m	7/50	L1	BMS
1207		333	372	661	726	374	388	321	374	484	524	42			7/50	L1	BMS
1210		304	341	606	654	341	324	291	341	350	407	37			7/50	L1	BMS
1215		296	336	608	660	328	340	276	343	227	325	38			7/50	L1	BMS
1232		316	342	619	689	359	346	293	348	359	386	39			6/50	L1	BMS
1235		301	330	609	661	340	332	294	340	309	374	38			6/50	L1	BMS
1238		312	349	630	700	363	340	301	326	368	404	37			6/50	L1	BMS
1250		316	350	622	680	353	337	313	371	361	390	38			6/50	L1	BMS
1251		313	344	621	677	341	344	302	338	359	402	38			7/50	L1	BMS

Table 10. Yellowfin from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Remarks
1251		315	345	620	683	352	341	314	356	321	447	40			7/50	L1	BMS
1251		319	358	630	691	364	341	333	341	397	490	42			6/50	L1	BMS
1254		317	348	629	712	375	342	336	342	366	425	40			6/50	L1	BMS
1263		314	352	627	700	339	369	308	354	359	410	39			6/50	L1	BMS
1265		308	344	638	707	358	348	296	341	289	291	41			6/50	L1	BMS
1265		315	365	630	686	347	360	317	330	282	448	42			6/50	L1	BMS
1265		324	347	630	708	388	343	317	360	427	448	41			6/50	L1	BMS
1266		307	352	623	685	338	350	305	357	322	399	38			7/50	L1	BMS
1272		319	355	635	701	366	350	317	333	338	464	41			7/50	L1	BMS
1272		328	368	644	701	358	358	333	371	425	473	40			7/50	L1	BMS
1276		316	352	632	691	354	353	312	347	388	454	40			6/50	L1	BMS
1276		321	357	624	711	362	354	321	354	460	550	39			6/50	L1	BMS
1276		324	368	637	703	358	357	323	355	401	457	42			7/50	L1	BMS
1280		321	353	627	683	354	342	322	365	388	446	40			6/50	L1	BMS
1290		323	359	639	709	367	358	321	374	429	531	39			7/50	L1	BMS
1290		333	354	640	738	401	346	316	364	322	378	39			6/50	L1	BMS
1292		328	370	646	712	367	356	324	345	379	438	40			7/50	L1	BMS
1293		325	355	637	715	370	349	309	355	410	449	40			6/50	L1	BMS
1294		318	353	633	695	358	352	308	351	386	423	39		f	7/50	L1	BMS
1294		320	359	650	701	358	346	301	348	377	410	40			6/50	L1	BMS
1297		324	346	644	703	365	350	311	360	349	418	38			7/50	L1	BMS
1299		317	343	628	733	380	366	317	351	352	391	39			6/50	L1	BMS
1301		319	354	651	708	366	341	319	366	307	429	40			6/50	L1	BMS
1301		321	370	628	709	357	363	312	373	396	440	41			7/50	L1	BMS
1301		332	358	644	725	375	368	398	356	401	517	41			6/50	L1	BMS
1311		329	364	655	718	364	370	336	351	471	531	42			7/50	L1	BMS
1313		328	355	657	716	375	343	312	339	344	400	39			6/50	L1	BMS
1314		325	378	651	718	358	373	328	375	351	401	37			6/50	L1	BMS
1317		328	359	653	725	377	337	320	385	395	455	42			6/50	L1	BMS
1318		332	363	661	737	372	377	322	359	386	442	40		m	6/50	L1	BMS

Table 10. Yellowfin from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1318		332	374	666	727	370	360	314	341	365	524	38			6/50	L1	BMS
1320		328	372	653	715	369	368	333	365	462	593	43			6/50	L1	BMS
1325		329	352	661	741	364	375	330	358	452	489	40			12/50	L1	KE
1326		385	378	698	810	456	392	376	372	223	206	51		m	6/50	L1	BMS
1335		327	368	662	727	371	365	334	356	438	509	41		m	7/50	L1	BMS
1335		334	361	665	729	375	364	318	363	417	441	41			6/50	L1	BMS
1335		334	382	671	742	380	362	318	355	310	464	40			6/50	L1	BMS
1335		336	369	663	733	378	369	337	352	390	571	42			7/50	L1	BMS
1340		324	363	660	735	370	386	330	347	481	542	41		f	6/50	L1	BMS
1344		334	378	669	725	370	357	345	358	457	490	42			6/50	L1	BMS
1344		340	372	681	737	374	364	339	356	433	453	42		m	4/51	L1	TO
1349		338	364	663	749	372	398	349	342	431	542	42			7/50	L1	BMS
1355		344	372	669	751	381	387	339	372	519	582	43		m	6/50	L1	BMS
1366		342	366	680	762	405	361	321	382	407	484	42			6/50	L1	BMS
1387		363	392	703	777	416	354	347	362	579	638	44		m	6/50	L1	BMS
1395		359	367	679	764	440	366	346	372	657	698	43		m	6/50	L1	BMS
1405		345	376	681	765	398	386	356	370	458	535	42		m	7/50	L1	BMS
1406		348	388	679	752	388	383	358	367	514	507	44		m	6/50	L1	BMS
1409		355	388	605	772	399	383	353	382	493	593	43			7/50	L1	BMS
1419		353	382	703	796	396	405	348	356	481	530	41		m	6/50	L1	BMS
1420		345	378	689	774	390	394	349	367	561	549	43		m	7/50	L1	BMS
1427		355	[illegible]	[illegible]	787	407	405	352	368	471	321	42			6/50	L1	BMS
1427		348	390	711	794	393	414	362	375	522	578	43		f	6/50	L1	BMS
1446		375	400	722	798	411	412	345	393	548	544	45		f	7/50	L1	BMS
1450		359	382	713	800	418	401	356	386	622	691	43		m	6/50	L1	BMS
1450		370	397	710	811	430	402	364	351	581	706	47			7/50	L1	BMS
1459		399	407	758	848	450	414	399	383	619	711	44			7/50	L1	BMS
1485		388	406	746	856	452	436	389	367	474	519	44		f	6/50	L1	BMS
1486		371	410	752	821	410	418	372	375	660	723	46			6/50	L1	BMS
1517		382	422	743	825	413	425	383	355	476	680	46		m	7/50	L1	BMS
1528		383	418	774	821	431	403	386	387	588	680	46			6/50	L1	BMS

Table 11. Yellowfin from the Western Equatorial Pacific: Western Carolines

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Art. Edge Vent	Greater Body Depth	Length 2nd Dorsal	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
664		179	208	359	391	205	190	176	201	93	98	30			12/50	L1	KE
677	12	185	211	366	406	213	188	171	206	99	92	30	9+21		12/50	L1	KE
753		209	235	405	435	232	217	192	236	118	120	33			12/50	L1	KE
845		220	252	441	483	243	237	197	248	139	139	32			12/50	L1	KE
945	30	245	271	485	534	274	257	210	289	165	183	34		f	3/51	L1	TO
958	34	243	281	484	544	272	273	237	319	200	250	35	10+20		12/50	L1	KE
975	31	260	288	502	553	283	537	230	289	198	242	36			12/50	L1	KE
1128		283	319	559	634	326	308	257	336	248	297	37			12/50	L1	KE
1160		300	328	584	666	335	341	271	331	283	325	37			12/50	L1	KE
1203		304	332	603	673	342	339	281	335	273	341	39			12/50	L1	KE
1211		301	338	603	688	337	346	292	342	316	340	37			12/50	L1	KE
1241		316	349	632	697	360	348	293	336	366	430	42			12/50	L1	KE
1258		307	343	600	693	339	369	301	357	386	441	41			12/50	L1	KE
1279		319	342	640	711	367	345	319	354	335	386	38			12/50	L1	KE
1283		325	353	643	719	370	353	311	359	395	429	41			12/50	L1	KE
1293		315	361	653	737	367	369	302	357	375	441	41			12/50	L1	KE
1372		336	380	687	777	401	392	347	377	510	591	39			12/50	L1	KE

Table 12. Yellowfin from the North Central Pacific: Hawaiian Islands

241	.49	67	76	133		76	69	56	49	20		14	9+20		12/51	P1	HY
250	.62	76	81	140	150	83		62	53	21	20	15	9+21		11/49	Tr	HLM
253	.62	70	78	136	157	81	77		55	23	19	15	8+20		12/51	P1	HY
255	.62	71	79	139	158	81	76	64	56	23	20	14	11+20		12/51	P1	HY
259	.65	72	81	142	160	83	81	66	54	21	20	15	11+21		12/51	P1	HY
260	.60	72	78	136					58	23		15	9+22		12/51	P1	HY
260	.65	73	81	145	160	82	79	63	59	22	21	15	9+20		12/51	P1	HY
262	.68	70	82	145	158	79	77	68	56	20	20	14	10+20		12/51	P1	HY
262	.67	73	82	143	163	82	83		57	22	20	15			12/51	P1	HY
264	.73	72	83	146	166	84	86	68	57	24	20	15	10+22		12/51	P1	HY

Table 12. Yellowfin from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
265	.71	71	83	145	164	84	81	67	57	24	20	15	8+22		12/51	Pl	HY
265	.74	74	85	148	166	83	81			22	22	15	9+21		12/51	Pl	III
269	.73	73	83	147	166	84	82	68	57	25	21	14	9+22		12/51	Pl	HY
271	.76	76	83	149	170	88	84	71	65	26	23	15	9+22		12/51	Pl	III
274	.80	76	85	151	166	87	77	72	66	27	22	15	8+21		12/51	Pl	HY
282		79	87	152	170	91	81	70	66	28	25	15	8+21		9/51	Tr	WMM
284	.90	78	89	159	178	89	89	73	65	26	21	16	8+21		12/51	Pl	III
286	.96	79	89	157	177	89	87	76	67	26	25	16	9+22		12/51	Pl	HY
294	.98	83	92	165	182	94	88	74	70	25	22	16			9/51	Tr	TH
350	1.8	101	111	194	217	112	107	94	92	36	32	19	9+22		12/51	Pl	III
364	2	105	116	202	222				98		33	18	10+21	m	12/49	Tr	
386	2.5	111	126	218	239	128	114	104	103	40	30	20	9+21		12/51	Pl	HY
500	5	146	158	270	302	166	147	127	147	66	64	28	10+21	f	7/50	Tr	KY
517	6	150	170	280	313	172	151	132	146	60	53	26	9+22	f	5/50	Tr	KY
518	5¼	151	162	287	318	176	149	133	124	55	52	26	10+21	f	5/51	Tr	WMM
527	6	151	168	293	324	165	157	136	167	64	66	26	8+20	m	9/51	Pl	TO
535	6½	150	172	296	328	173	159	137	163	61	62	26	10+21		9/51	Pl	HY
542	7	156	177	300	330	178	155	139	161	63	56	26	10+22	m	9/51	Pl	
553	7	161	178	306	338	177	161	140	154	66	69	28	9+20	m	9/51	Pl	TO
595	7	188	209	344	375	205	189	172	187	68	67	27			9/51	Tr	RS
608	7	207	222	353	385	224	212	191	197	68		27	9+21	f	9/51	Pl	RS
609	7¾	197	217	350	383	216	188	174	199	68	69	28			9/51		RS
631		187	205	345	392	215	186	157	172	76	74	30	9+22	m	1/52	Tr	HY
632	9½	187	193	344	385	211	177	154	180	79	81	32	10+21	f	1/50	Tr	JWR
673	12	195	214	367	394	220	185	172	213	96	100	34	8+20	m	1/50	Tr	JWR
734	16	199	218	390	427	227	209	179	210	107	103	31	8+20	f	12/49	Tr	KY
748	15¾	206	227	401	443	235	221	181	232	118	125	32	10+21	f	5/51	Tr	WMM
813	29	219	247	438	482	250		209	222	110	112	30	8+20	f	8/48		HHE
848		229	255	444	496	261	244		225	127	121	33	10+21	m	5/51	Tr	WMM
928	28	245	272	485	538	282	258	217	274	152	166	33	9+20	m	5/51	Tr	WMM
991		265	297	508	563	310	277	253	291	179	186	33	9+21	f	5/50	Tr	KY
1136	55	296	328	581	642	334	330	272	336	229	242	36	9+22	m	7/50	Tr	KY
1682	186	422	462	836	925	467	473	430	372		356	44		m	8/51	Ll	III

Table 13. Yellowfin from the Northwestern Pacific: Japan

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Area	Examiner
395	2.6	115	126	216	241	129		105	113	38	34	25	8+21		5/49	Pl	BMS
405	2.9	117	130	221	245	131		106	109	44	42	22	9+20		5/49	Pl	BMS
414	3.1	120	131	230	261	135		107	119	45	40	22	9+20		5/49	Pl	BMS
420	3.4	121	133	234	257	135		110	113	52	47		10+20		5/49	Pl	BMS
434	3.4	129	144	246	265	144		113	125	48		23	8+20		5/49	Pl	BMS
442	3.9	133	146	247	277	151		119	128	55	49	27	9+20		5/49		BMS
449	3.9	130	145	251	271	145		118	120	50	49	24	9+21		5/49	Pl	BMS
456	3.8	130	145	252	274	147		117	140	53	49	24	9+20		5/49	Pl	BMS
468	4.5	133	148	260	286	152		131	139	58	52	26	10+21		5/49	Pl	BMS
469	4.6	133	157	264	290	150		123	128	55	50	24	9+20		5/49	Pl	BMS
470	4.5	135	151	264	285	151		122	135	53	51	23	9+21		5/49	Pl	BMS
502	5.3	147	161	277	301	166		128	154	64	59	27	11+19		5/49	Pl	BMS
511	5.9	154	168	290	311	170		134	152	60	53	28	10+21		5/49	Pl	BMS
519	6.2	150	165	286	312	166		137	163	66	63	28	9+21		5/49	Pl	BMS
551	7.5	159	178	306	333	178		145	163	68	69	28	11+22		5/49	Pl	BMS
563	7.9	158	171	305	337	177		149	183	75	75	28	9+20		5/49	Pl	BMS
576	8.7	166	185	321	340	183		154	183	79	77	29	9+21		5/49	Pl	BMS
613	8	177	192	338	371	199			196	87	88	31	9+21		5/49	Pl	BMS
633	11	178	198	342	376	201		168	197	89	87	28	9+22		5/49	Pl	BMS
640	11	184	199	352	382	203		162	205	90	80	32	9+21		5/49	Pl	BMS
662	12	184	210	364	393	205		170	190	97	94	28	8+21		5/49		BMS
680	13	191	209	367	401	212		171		101	105	32	9+21		5/49	Pl	BMS
688	14	191	214	374	411	209		178	204	95	90	28	11+21		5/49	Pl	BMS
705	18	198	213	379	415	220		172	213	90	93	34	9+20		5/49	Pl	BMS
705	15	201	227	383	416	225		182	213	100	108	33	8+20		5/49	Pl	BMS
709	15	199	223	387	421	223		189	216	100	100	31			1/49	Ll	BMS
715	15	199	218	387	419	223		181	224	113	115	30	9+20		5/49	Pl	BMS
739	20	209	231	396	438	240		203	222	99	103	35	10+20		5/49	Pl	BMS
785	21	216	238	415	459	239		202	243	121	125	28	9+21		5/49	Pl	BMS

Table 13. Yellowfin from the Northwestern Pacific: Japan (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length 2nd Dorsal	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
788	20	218	240	420	471	245		199	234	117	124	33	9/19		5/49	Pl	BMS
789	22	212	244	420	455	235		209	229	124	123	30	10/20		5/49	Pl	BMS
806	21	218	245	430	472	240		197	230	129	132	31	8/20		5/49	Pl	BMS
809	28	221	239	420	470	243		211	240	114	113	35	10/20		5/49	Pl	BMS
834	24	230	254	447	483	255		220	242	145	149	33	10/20		5/49	Pl	BMS
835	24	226	258	442	487	253		213	238	139	136	30	9/20		5/49	Pl	BMS
849	26	230	256	444	484	258		217	249	137	152	33	9/20		5/49	Pl	BMS
859	29	234	255	457	497	268		238	267	150	150	32	8/19		5/49	Pl	BMS
875	24	239	255	457	512	268		211	257	164	161	36	11/20		5/49	Pl	BMS
883	26	267	265	465	508	265		217	269	158	147	32	9/20		5/49		BMS
916	27	240	272	481	514	265		225	260	148	155	34	8/20		5/49	Pl	BMS
946	34	243	273	491	536	271		238	267	156	163	34	9/19		5/49		BMS
947	34	243	275	491	545	278		236	278	175	184	35	9/20		5/49	Pl	BMS
948	37	254	278	492	552	287		238	265	185	184	35	10/19		5/49	Pl	BMS
950	34	256	279	503	550	284		235	274	169	193	35	9/20		5/49	Pl	BMS
958	32	251	283	498	537	273		227	265	153	164	33	9/20		5/49	Pl	BMS
1065	48	272	301	547	603			268	304	184	204	36	11/22		5/49	Pl	BMS

Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines*

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
491	146	164	286	318	168
504	155	185	329	351	173
504	156	185	320	350	173
504	157	185	325	346	179
508	155	178	320	347	180
511	151	172	299	321	170
515	154	174	298	325	174
518	158	170	338	361	176
519	152	166	300	325	167
519	155	173	311	321	176
520	142	161	275	313	161
520	152	174	308	326	174
520	157	177	304	330	177
525	152	175	310	328	172
525	170	188	342	369	190
526	163	185	342	365	185
531	154	174	302	331	175
536	159	182	312	335	174
537	159	174	302	330	174
538	156	178	303	329	175
539	155	179	305	365	175
541	156	178	305	329	176
542	156	175	308	330	175
542	156	180	309	331	171
544	158	182	311	333	173
549	159	182	309	342	180
550	159	171	309	337	170
555	162	182	315	360	184
559	160	185	322	353	184
562	168	188	328	350	188
563	165	182	324	363	185
565	161	180	322	353	180
566	152	168	300	345	175
566	168	184	325	350	184
567	160	186	329	354	182
568	165	185	320	362	186
568	169	188	336	360	193
569	169	192	320	357	188
571	165	188	332	356	185
571	167	193	327	365	186
574	169	189	326	359	188
577	164	190	325	363	185
578	163	189	324	362	186
578	164	192	325	366	184
578	166	188	319	362	185
581	163	189	339	364	186
582	168	190	330	370	193
582	170	206	337	373	191
586	171	198	336	368	193
587	170	189	336	372	199
587	174	190	340	366	196
590	180	212	344	365	200
591	168	196	338	365	186
591	171	189	329	368	194
594	172	190	326	372	193
596	176	203	346	384	203
597	170	193	332	371	190
598	175	198	338	372	189
599	174	192	341	363	197
603	174	184	336	373	198
603	177	201	346	373	191
604	173	194	334	378	194
604	174	206	344	372	194
605	180	203	351	383	208
607	182	205	355	387	205
608	175	197	344	373	193
609	177	199	339	377	200
610	181	202	344	385	200
614	176	198	344	381	194
617	173	201	345	380	199

*From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines* (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
620	179	200	366	385	201
622	173	198	349	386	200
623	182	206	350	391	203
624	181	208	364	400	201
625	179	209	361	396	201
626	178	208	360	394	202
628	199	208	384	415	204
630	178	207	371	388	206
630	180	205	353	393	200
630	187	209	370	402	204
630	188	208	380	394	212
631	179	203	351	387	199
631	186	210	360	388	208
634	190	209	365	405	214
635	184	209	364	401	203
636	178	205	362	391	200
638	187	210	363	400	203
638	189	211	370	403	212
639	176	204	365	390	197
639	190	215	375	410	216
640	186	205	359	400	210
642	187	206	374	395	215
642	188	214	365	403	218
643	185	205	368	404	216
643	186	201	362	406	218
644	186	210	362	401	209
644	191	221	375	411	219
644	192	214	366	401	217
645	180	201	373	400	209
645	183	209	363	406	206
645	184	217	373	401	212
645	186	212	365	402	208
645	186	215	369	416	216
646	185	212		396	208
647	193	204	359	405	214
648	192	211	368	403	208
650	186	204	366	400	210
651	185	208	368	403	205
651	185	210	361	397	208
651	186	202	360	395	211
651	186	209	374	409	214
651	186	216	380	407	212
651	189	211	377	407	214
651	191	214	373	408	219
651	191	219	373	418	217
652	190	218	371	411	211
653	186	202	364	414	209
653	195	206	360	400	210
654	191	209	363	417	214
655	190	208	356	400	215
655	190	221	390	405	214
655	194	207	370	405	217
657	187	213	367	400	208
657	188	208	365	420	214
657	194	213	374	411	216
660	189	214	379	406	219
660	189	215	380	405	220
660	190	223	382	413	214
660	194	220	374	408	219
661	191	217	371	411	210
661	191	221	382	409	219
662	186	212	364	400	206
665	184	220	388	423	222
666	189	220	380	409	214
668	188	211	372	407	212
668	189	219	371	405	207
668	191	216	368	414	218
668	194	206	366	411	214
669	189	217	368	410	210
669	194	209	369	404	214

*From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines* (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
669	194	212	374	411	217
670	187	214	378	414	219
670	189	216	380	414	213
670	190	219	381	414	216
670	194	217	376	415	221
670	195	226	386	418	219
672	199	220	371	414	221
674	193	216	380	422	222
675	195	215	380	419	218
675	195	226	387	409	209
676	191	218	382	419	215
677	196	229	389	417	228
678	198	230	390	418	229
678	199	219	393	424	218
678	200	205	386	418	218
678	200	220	392	429	225
680	192	222	375	414	211
680	194	225	392	420	211
680	196	229	392	424	215
682	200	220	382	423	225
684	191	222	370	427	209
684	199	229	392	419	220
685	194	223	390	423	219
686	197	214	385	420	218
686	200	218	386	421	222
687	191	220	387	414	229
689	192	216	387	420	220
689	194	225	384	427	223
689	200	219	390	424	224
690	199	223	381	413	220
690	202	220	390	425	220
690	202	220	394	420	220
691	195	226	387	428	224
691	201	231	388	428	219
692	199	228	399	426	212

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
695	199	222	387	429	213
696	200	214	381	431	224
696	201	222	397	429	228
697	204	220	390	426	224
698	202	224	399	431	229
700	203	237	400	413	227
700	206	220	380	436	234
701	201	228	389	430	227
701	205	225	394	435	233
702	203	236	391	435	238
703	203	224	392	416	229
703	204	229	390	430	225
704	206	229	390	429	232
705	200	230	395	432	220
705	211	238	411	441	231
706	200	221	400	435	227
707	208	226	402	428	223
709	201	228	400	450	224
712	199	226	390	440	223
712	206	220	395	450	230
712	209	231	405	438	227
712	211	234	404	441	234
713	202	230	396	435	224
714	202	229	407	431	236
715	204	227	400	439	234
716	205	229	400	440	227
716	207	228	401	447	236
721	202	225	398	437	231
722	205	230	408	449	233
723	210	236	396	448	234
724	207	230	385	440	235
725	213	237	405	441	239
726	201	230	403	440	229
726	206	235	415	456	229
726	209	228	408	464	238

*From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines* (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
728	210	217	394	440	230
733	208	225	414	448	232
734	205	228	401	440	242
736	212	248	436	467	256
737	213	243	424	456	238
739	206	233	420	452	240
743	204	230	414	453	232
744	212	239	416	457	239
746	208	248	418	463	237
750	211	231	411	455	240
750	216	246	428	465	238
755	206	227	395	454	230
756	211	230	418	470	232
759	210	252	417	452	238
759	215	238	432	471	242
765	215	244	420	468	250
765	222	248	427	460	243
771	218	240	424	468	246
774	221	245	438	474	253
775	218	235	427	472	238
778	220	249	434	469	242
780	220	239	428	470	239
782	218	246	438	474	248
783	220	255	441	475	248
784	221	247	435	474	250
785	225	247	429	474	250
785	226	253	439	489	254
786	225	252	438	478	255
788	222	241	436	473	258
789	219	260	440	483	244
795	224	248	437	487	239
796	225	246	446	475	248
800	224	252	435	481	249
801	219	244	439	494	252
802	231	258	463	489	252

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
804	221	244	443	499	251
804	225	257	446	487	253
806	227	249	451	493	259
808	227	239	450	482	238
816	221	253	445	503	254
816	221	259	451	490	255
818	238	263	454	500	257
820	224	254	451	495	255
820	229	250	477	504	264
820	235	273	478	504	260
822	223	254	451	494	256
822	237	266	450	505	265
824	229	263	453	502	257
824	237	259	455	490	260
825	230	257	466	503	268
825	233	255	457	502	259
826	229	265	451	494	250
827	231	259	461	501	256
830	222	265	462	494	255
831	230	255	454	494	258
837	234	256	452	505	263
838	232	260	460	510	264
840	231	259	459	511	264
843	227	263	465	502	261
845	230	267	466	515	277
851	229	260	453	519	254
851	231	255	465	506	258
852	238	268	470	520	269
858	234	254	464	510	265
859	229	266	463	512	269
860	234	259	474	528	267
864	230	265	473	521	261
868	242	274	473	524	269
871	233	267	479	520	273
875	239	274	474	516	264

*From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines* (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
877	249	278	484	535	274
878	239	264	475	517	266
880	235	260	469	515	266
885	255	270	486	534	277
886	246	280	486	539	274
888	238	266	478	522	275
888	248	263	490	531	276
890	231	279	487	538	263
894	243	278	484	522	270
904	241	266	492	541	274
906	256	284	492	532	278
912	242	265	486	528	268
912	246	268	478	554	276
914	243	272	489	542	280
916	245	281	500	552	280
916	251	280	501	548	289
918	242	285	510	552	275
921	254	278	510	559	282
924	238	268	511	567	276
932	248	274	499	557	280
932	251	280	487	544	280
933	255	282	511	561	299
942	258	280	514	577	291
944	249	283	519	568	294
951	258	290	521	576	288
953	259	291	523	574	289
954	265	286	517	564	294
987	262	291	538	584	302
1000	269	297	541	599	304
1008	269	299	539	590	308
1017	265	301	536	606	307
1024	274	309	554	613	321
1045	276	304	568	620	320
1049	274	301	557	595	302
1074	296	314	576	640	335

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
1081	264	318	571	632	329
1094	282	315	559	632	322
1116	287	331	582	629	312
1138	300	327	594	652	327
1147	293	320	594	647	337
1148	294	335	597	654	339
1155	308	346	610	681	352
1162	302	326	613	672	342
1210	301	354	637	701	338
1214	325	354	647	729	363
1226	332	365	683	756	385
1231	320	348	634	714	351
1234	306	329	639	684	340
1239	314	359	644	702	351
1251	329	362	658		373
1251	332	367	684	744	369
1254	318	349	646	712	361
1258	328	360	666	732	370
1279	322	362	669	731	371
1281	337	384	685	745	384
1284	328	361	672	742	377
1294	331	369	667	731	380
1294	345	369	673	734	378
1314	343	373	688	768	
1317	318	359	662	769	389
1329	342	384	696	766	376
1330	350	382	710	790	408
1336	321	377	672	739	378
1345	349	360	693	772	405
1346	340	364	674	756	405
1354	344	381	692	762	390
1372	349	395	714	774	392
1373	341	372	694	767	387
1397	342	383	620	780	383
1415	368	392	725	793	412

*From the Philippine Bureau of Fisheries

Table 14. Yellowfin from the Northwestern Pacific: Southwestern Panay Islands, Philippines* (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
1418	364	409	739	800	425
1422	367	418	727	790	385
1484	377	418	771	821	419
1488	382	437	776	840	431
1502	386	424	784	870	450
1545	386	410	753	840	410

Table 15. Yellowfin from the Northwestern Pacific: Batangas Province, Luzon, Philippines*

466	143	153	265	293	164	686	198	209	377	409	217
470	140	150	265	300	164	686	200	222	381	426	224
496	135	146	264	296	163	686	203	218	386	422	231
515	139	151	277	310	186	691	206	223	379	415	226
517	142	151	275	314	159	692	198	214	386	428	218
518	138	152	272	310	160	696	211	224	398	437	233
618	188	203	350	385	207	702	205	217	387	424	227
625	181	202	348	397	206	704	204	218	391	428	224
633	192	207	358	391	204	704	209	228	393	437	226
638	194	202	353	387	213	706	210	222	396	444	235
648	194	212	371	412	205	708	208	223	393	436	224
656	195	212	360	408	214	711	206	214	396	435	229
660	191	210	375	410	220	714	204	230	397	438	218
670	192	206	361	411	211	714	207	223	401	432	228
670	195	213	375	413	219	714	212	223	393	431	226
671	198	212	382	417	214	718	206	225	394	435	226
674	192	214	374	397	210	718	207	226	396	432	226
674	206	215	378	421	228	720	215	234	403	445	243
677	192	218	370	410	217	722	212	228	408	442	226
677	200	214	373	416	226	723	210	222	395	440	236
678	202	215	380	414	223	724	210	225	402	444	239
680	203	222	387	428	233	726	225	222	397	434	233
681	192	216	379	415	221	728	209	223	405	443	229
683	206	221	393	433	226	733	208	229	405	448	238
684	205	223	390	421	227	738	215	230	407	447	231

*From the Philippine Bureau of Fisheries

Table 15. Yellowfin from the Northwestern Pacific: Batangas Province, Luzon, Philippines* (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
741	213	231	411	455	236
742	215	237	408	451	237
743	214	222	406	443	238
744	218	227	420	467	236
746	216	219	410	466	234
746	221	228	407	460	237
747	219	244	414	470	242
751	219	230	408	457	237
752	217	237	417	445	237
753	218	225	420	458	234
759	217	237	421	454	239
760	212	241	419	466	243
760	214	231	420	455	240
762	217	233	415	460	235
762	223	236	414	461	247
764	220	240	418	452	238
766	220	248	424	469	245
768	216	236	421	462	237
770	220	234	418	481	247
770	226	242	427	471	247
772	223	240	421	460	247
774	218	245	431	461	240
774	220	242	426	474	245
776	220	243	427	473	241
777	224	247	426	472	235
777	224	247	430	477	242
778	216	238	425	473	241
783	225	246	431	475	250
784	221	245	438	482	247
784	224	246	428	482	252
785	224	247	433	468	241
787	219	245	432	473	234
787	222	239	436	478	247
787	224	252	436	471	241
787	225	245	427	476	246

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
787	227	[illegible]	[illegible]	481	[illegible]
788	227	[illegible]	444	479	[illegible]
790	[illegible]	[illegible]	[illegible]	515	243
790	224	245	431	485	[illegible]
791	[illegible]	[illegible]	441	471	[illegible]
792	224	238	425	471	241
792	226	251	447	487	[illegible]
798	227	242	437	466	251
800	220	242	431	454	247
800	230	251	440	[illegible]	[illegible]
802	230	251	442	494	240
803	[illegible]	243	437	491	248
804	221	250	436	487	247
804	230	246	446	500	253
805	227	[illegible]	452	494	[illegible]
810	234	256	[illegible]	488	260
810	234	251	435	496	258
811	229	250	[illegible]	502	260
811	231	254	446	482	247
812	229	247	441	496	[illegible]
820	228	250	448	486	[illegible]
821	234	261	453	[illegible]	[illegible]
821	237	246	[illegible]	[illegible]	[illegible]
828	234	247	446	496	[illegible]
834	[illegible]	252	[illegible]	506	261
857	242	257	461	513	261
915	254	271	494	561	280
933	264	280	501	553	295
944	268	285	505	568	300
1118	290	315	558	612	334
1155	298	328	579	643	338

*From the Philippine Bureau of Fisheries

Table 16. Yellowfin from the Northwestern Pacific: Ragay Gulf, Bicol Peninsula, Luzon, Philippines*

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
490	137	148	260	299	157
710	208	228	402	440	234
729	206	228	393	441	233
736	211	236	414	451	232
740	207	231	410	447	225
746	214	237	413	445	234
757	214	238	416	462	236
757	216	237	420	467	246
775	220	242	422	481	240
788	219	236	422	477	244
797	222	247	432	485	247
812	220	242	439	486	257
846	236	244	444	521	266
861	229	268	473	512	257
902	243	258	466	554	284

Table 17. Yellowfin from the Northwestern Pacific: South Sulu Sea, Philippines*

437	134	143	258	281	163
589	174	192	331	367	200

*From the Philippine Bureau of Fisheries

Table 18. Yellowfin from the South Central Pacific: Marquesas Islands
(Frozen specimens measured in Honolulu)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 1st Dorsal	Height 2nd Dorsal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Locality
754	20½	218	240	414					247	97	125	33	10+22	f	4/49	Pl	FCJ
768	19½	216	245	422	455				237	120	121	30	8+21	m	4/49	Pl	KY
769	19	218	235	409	450				232	135	149	36	10+20	m	4/49	Pl	KY
780	19½	224	240	418					237		138		11+20		4/49	Pl	FCJ
782	20	216	248	421	455				208	148	148	33	11+20	m	4/49	Pl	KY
788	21½	225	245	420	472				241	139	121		9+20		4/49	Pl	MBS
796	26	227	249	426					233	144	160	35	10+21	f	4/49	Pl	FCJ
798	22	226	248	432	476				231	124	138	33	9+20	f	4/49	Pl	MBS
799	22	224	243	428					256	138	167	34	12+21	f	4/49	Pl	FCC
801	22½	225	251	426	470				241	123	134	33		m	4/49	Pl	MBS
801	22½	226	241	429					239						4/49		FCC
807	22½	227	240	432	435				249	149	173	33	10+21	m	4/49	Pl	MBS
821	25	229	259	444					261	132	147	35		m	4/49	Pl	FCC
903	30½	238	264	478	519				267			34	9+21	m	4/49	Pl	KY

Table 19. Yellowfin from the South Central Pacific: Society Islands
(Frozen specimens measured in Honolulu)

496	5.5	142	160	273	298				148	62	56	26	9+21		4/49	Pl	MBS
497	6.0		164	281					140	56	49	25	10+22	f	4/49	Pl	FCJ
504	7.0	150	169	286					141	56		25	11+21		4/49	Pl	MBS
510	6.0	146	157	279	309				154	65	56	26	9+21		4/49	Pl	MBS
513	6		152							62	64	27	10+20		4/49	Pl	MBS
519	6.5	151	168	285					146	63	64	26	10+21		4/49	Pl	MBS
523	6.5	154	166	292	322				155	65	61	27	8+21	f	4/49	Pl	MBS
531	7.0	159	175	296					160	63	62	27	11+22	m	4/49	Pl	FCJ
547	8.0		179	307					172	67	67	29	10+20	m	4/49	Pl	FCC
550	8.0	160	176	303					182	71	74	27	9+18	f	4/49	Pl	FCC
559	8.5	161	182	313					184	77	80	27	10+22	m	4/49	Pl	FCJ
565	8.0		181	313					171	68	69	27	9+20		4/49	Pl	FCC
571	9.5	161	182	317	353				173	69	71	29	10+22	f	4/49	Pl	KFG
572	9.0	165	181	313	346				181	74	74	28	9+18		4/49	Pl	MBS
576	9.0	164	180	315					181	68	70	27	10+21	m	4/49	Pl	FCC

Table 19. Yellowfin from the South Central Pacific: Society Islands (Continued)
(Frozen specimens measured in Honolulu)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
582	9.5	169	182	323					181			26		m	4/49	Pl	FCJ
599	10 1/8		189	328					182	75	76	28	10/21	m	4/49	Pl	FCC
602	10	176	191	332					194			28	9/22	m	4/49	Pl	FCC
623	11	176	199	344	376				210	103	102	29	10/20	m	4/49	Pl	MBS
638	12 1/8	180	197	340	368				191	91	95	31	9/22	m	4/49	Pl	TFG
756	19 1/8	214	236	413	450				253	122	132	31	9/20	f	4/49	Pl	MBS
773	19 1/8	216	236	404	454				248	132	106	32	10/21	m	4/49	Pl	MBS
826	34 1/4	221	240	441					263			33			4/49	Pl	MBS
841	25	223	246	448					281	150	166	33	9/20	f	4/49	Pl	MBS
846		231	248	451	497				256	134	132	32			4/49	Pl	MBS
865		231	249	446					266	169	173	33			4/49	Pl	FCJ
866	28	235	263	451	509				263	163	157	33	9/20	f	4/49	Pl	MBS
868		236	246	461					265	123	148	31			4/49	Pl	FCJ
881		238	255	462					293	170	169	34			4/49	Pl	FCJ
905		238		469	527				281	154	174	33	9/20	m	4/49	Pl	MBS
1423			379	700					373	427		42			4/49	Pl	MBS
1427		353	390	713					376	476	497	41			4/49	Pl	MBS

Table 20. Bigeye from the Eastern Equatorial Pacific: 120° W. Longitude

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Base Anal	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Cr.	Par.
1101		337	340	607	680	389	318	314	390	166	157	44	11+18	f	6/52	L1	III
1203	85	362	373	673	727	408	348	354	389	181	194	48	8+18	f	10/52	L1	TSH
1220		361	368	639	700	399	325	332	348	172	176	48	8+19	m	5/52	L1	III
1291		389	392	705	773	428	364	367	359	217	222	46	9+18	f	5/52	L1	III
1291	100	387	390	695	782	424	399	355	350	191	186	51	7+20	m	10/52	L1	GIM
1310		394	410	723	789	425	384	390	365	200	198	48	9+17	f	5/52	L1	WVC
1311		388	415	726	776	423	365	363	351	188	194	50	9+18	f	5/52	L1	III
1332		390	401	720	791	436	387	386	368	211	218	49	7+17	m	5/52	L1	WVC
1339		386	410	722	790	421	394	389	369	235	198	48	9+19	m	5/52	L1	III
1383	124	410	404	748	843	458	414	378	389	206	206	51	9+19	f	10/52	L1	TJR
1407		413	424	749	829	453	401	414	385	254	248	50	8+18	m	5/52	L1	WVC
1422	130	421	434	788	863	463	413	404	388	218	224	53	8+18	f	10/52	L1	TSH
1445	143	425	438	767	849	473	405	426	363	220	233	56	10+19	m	11/52	L1	TJR
1456	145	433	430	786	872	487	421	417	373	252	237	52	9+18	m	10/52	L1	GIM
1471	148	446	451	805	896	502	423	425	386	235	233	55	8+19	f	10/52		TSH
1481	147	438	470	801	871	476	410	434	396	234	214	52	9+18	m	10/52	L1	TJR
1485	147	438	440	806	891	520	393	400	397	263	244	51	9+18	m	10/52	L1	TSH
1513		436	454	808	878	478	422	438	386	267	249	57	10+19	m	5/52		III
1547		446	462	834	932	497	456	463	394	239	235	56	9+19	f	5/52	L1	III
1566		470	463	839	960	513	492	437	380	275	263	62	9+18	m	11/52	L1	GIM
1589	200	455	470	848	945	523	448	486	392	234	252	57	8+18	m	10/52	L1	TSH
1597		456	485	860	942	503	470	466	398	289	286	52	9+20	m	5/52	L1	WVC
1600		471	477	863	953	528	472	452	396	274	250	57	9+19	m	10/52	L1	TSH
1601	214	470	469	861	965	531	480	459	421	278	278	56	10+19	m	10/52	L1	TSH
1603		479	495	871	953	513	486	443		280	247	59	9+18	m	6/52	L1	III
1610	205	464	480	870	946	510	466	463	380	267	260	59	9+19	f	11/52	L1	GIM
1615		471	488	866	946	522	441	445	388	267	280	54	9+18	m	6/52	L1	III
1624	200	465	475	860	943	521	468	470	385	239	252	58	8+19	m	10/52	L1	TJR
1625		470	485	867	959	530	456	466	390	255	262	60	8+20		10/52	L1	GIM
1633		470	488	873	983	527	485	477	385	291	259	58	8+21	m	10/52	L1	GIM

Table 20. Bigeye from the Eastern Equatorial Pacific: 120° W. Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Ins. 1st Dorsal to Ins. 2nd Dorsal	Ins. 2nd Dorsal to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ins. Anal	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1639	182	468	465	855	973	532	463	445	394	280	271	59	8+18	f	10/52	L1	TSH
1639	228	475	490	875	990	547	473	477	400	250	281	55	8+18	m	10/52	L1	
1642	185	482	503	896	981	587	475	475	393	260	213	52	9+19	m	10/52	L1	TSH
1657		471	470	869	978	517	482	470	382	253	268	57	8+17	m	5/52	L1	III
1667	215	473	494	880	983	535	482	475	411	286	269	59	9+18	m		L1	GIM
1670	193	477	492	880	979	543	474	479	382	235	265	56	9+19	m	10/52	L1	
1672		477	488	888	982	526	490		391	261	289	59	9+19	m	5/52	L1	WVC
1692	220	484	497	893	992	541	480	458	395	287	275	57	9+19	m	10/52	L1	TSH
1701	223	499	505	891	1006	546	497	486	403	279	281	59	9+18	m	10/52	L1	GIM
1715	245	499	496	897	1008	550	494	462	404	282	272	53	9+18	m	10/52	L1	TSH
1724		498	512	903	1016	555	492	470	410	246	264	53	10+18	f	5/52	L1	
1754		506	520	926	1030	562	507	523	417	292	285	59	8+17	m	5/52	L1	III
1786		516	529	945	1054	567	510	526	423	277	257	60	8+18	m	5/52	L1	III
1835	251	516	521	954	1069	579	534	515	399	283	266	60	8+18	m	10/52	L1	TSH
1883		510		970	1042	563	518	522	420	292		61	7+18	m	6/52	L1	WVC
1962		535	574	1025	1135	593	574	551	426	323	307	57	9+18	m	5/52	L1	III

Table 21. Bigeye from the Central Equatorial Pacific: 130° W. Longitude

1010	50	307	322	572	618	337	293	291	318	157	147	45	9+19	m	11/52	L1	TJR
1312		383	393	706	794	429	388	358	364	206	221	49	9+17	f	6/52	L1	WVC
1456	156	428	434	796	881	476	432	411	396	232	230	54	9+19	m	11/52	L1	TJR
1460	145	420	437	790	871	476	420	412	398	228	237	57	8+18	f	11/52	L1	TJR
1480	142	438	426	797	886	486	413	391	378	215	214	58	8+18	f	11/52	L1	TSH
1512	164		453	825	895	497	404	408		227	234	63	8+18	f	11/52	L1	TSH
1584	190	460	469	845	952	507	473	455	385	248	237	56	8+19	m	11/52	L1	GIM
1603		462	468	875	954	509	462	466	401	263	245	54	10+19	f	6/52	L1	III
1635	185	464	476	864	970	527	479	438	410	284	277	60	9+18	m	11/52	L1	TSH
1660	186	484	481	885	1030	556	482	469	392	275	214	63	9+19	m	11/52	L1	TSH

Table 21. Bigeye from the Central Equatorial Pacific: 130° W. Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rak.	Sex	Month or Year	Locality	Tag
1663		470	494	883	986	523	490	474	375	263	263	62	[illegible]	m	8/52	L1	[illegible]
1741	229	474	500	914	1002	527	503	475	426	269	266	66	8/18	m	11/52	L1	TJR
1751	233½	502	504	908	1020	557	486	476	421	283	286	66	9/19	m	11/52	L1	TJR
1753	260	504	516	925	1038	567	497	490	430	300	276	65	8/19	m	11/52	L1	GIM
1886	305	543	534	1005	1113	604	563	523	429	314	299	60	9/18	m	11/52	L1	GIM
1888		528	542	975	1096	592	540	521	424	291	287	65	9/18	m	6/52	L1	[illegible]
1925		532	554	995	1090	587	527	510	409	298	309	63	8/19	m	6/52	L1	WWW

Table 22. Bigeye from the Central Equatorial Pacific: 140° W. Longitude

1328	112	383	399	717	797	427	391	372	375	201	204	60		f	9/52	L1	RS
1371		407	417	743	831	458	380	378	371	238	217	61	10/19	m	8/52	L1	WMM
1391		406	421	756	845	451	418	399	370	210	237	64	8/18		9/52	L1	
1467	143	425	437	780	869	473	414	429	369	235	244	68		m	8/52	L1	WFR
1504		433	447	801	900	485	444	442	388	241	244	65	8/19	m	8/52	L1	WWM
1510		445	447	799	903	483	437	421	407	239	235	64	9/18	f	8/52	L1	WMM
1516		430	448	798	895			422	397	245	242	65		m	9/52	L1	RS
1540		452	451	809		501	434	436	390	242	241	46	8/18	m	9/52	L1	DLM
1546		453	473	853	929	503	442	449	379	246	237	67		f	9/52	L1	WFR
1573		467	479	852	934	506	460	485	377	280	283	66	8/17	m	9/52	L1	DLM
1575		454	483	854	943	510			367	262	230	62	10/18	f	8/52	L1	DLM
1578	200	456	477	855	938	510	455	467	388	250	241	54		f	8/52	L1	RS
1586		457	477	856	948	505	469	466	384	245	232	55	9/19	m	9/52	L1	WMM
1591		449	479	851	923	493	460	466	374	239	246	67		m	8/52		WFR
1596	196	452	484	869	954	502	475	457	388	242	270	65		f	9/52	L1	WFR
1599		461	467	857	956	508	474	474	400	246	242	53	8/18	f	9/52	L1	DLM
1603		470	484	876	978	525	476	453	369	268	262	55	9/19	f	9/52	L1	WMM
1616	212	470	470	875	962	528	460	475	406	269	255	60		f	9/52	L1	RS
1623		468	465	858	954	514	469	458	382	254	262	56	9/18	m	9/52	L1	WMM
1660		479	487	883	984	535	475	479	402	265	259	62	9/18	m	8/52	L1	WMM

Table 22. Bigeye frin the Central Equatorial Pacific: 140° W. Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Elev. Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1688		471	484	873	965	520	474	468	391	262	256	58	10+19	m	9/52	L1	DLM
1692		498	523	915	1017	546	495	480	388	281	267	57	9+18	m	9/52	L1	WMM
1692	233	474	504	901	1001	529	498	498	394	265	268	57		m	8/52	L1	RS
1704	230	490	519	904	1000	543	481	485	395	254	255	69		f	9/52	L1	WFR
1714		496	523	909	1011	559	473	495	380	269	286	62	8+18	m	6/52	L1	JEK
1724		490	505	909	1018	550	488	475	414	239	242	55	9+18	m	9/52	L1	WMM
1739		497	519	935	1035	566	531	524	388	272	279	58	8+19	m	9/52	L1	DLM
1740		506	539	950	1046	557	513	500	394	248	244	62		m	8/52		RS
1764		490	502	935	1039	543	514	493	374	274	256	56	10+18	m	9/52	L1	WMM
1817		585	516	937	1044	568	503	520	418	292	274	62	8+19	m	9/52	L1	DLM

Table 23. Bigeye from the Central Equatorial Pacific: Eastern Line Islands

547		160	173	302	335	183	157	138	149	59	59	29	11+20	m	10/52	L1	III
880	34	271	275	488	550	309	251	249	315	121	117	43		m	9/51	L1	TC
884		275	285	500	548	303		247	367	126	124	41	8+19	f	9/52	L1	WMM
919	40	288	298	515	580	334	262	269	357	127	122	41		m	9/51	L1	III
973	47	299	317	548	604	344	283	290	343	143	135	40		f	9/51	L1	III
1057	56	315	326	575	644	367	296	300	372	164	150	42		f	9/51	L1	III
1080	65	327	342	600	664	358	316	304	352	170	160	43	10+18	m	1/52		TO
1096	65	339	350	609	685	383	318	321	363	177	185	48		m	9/51	L1	TC
1138	73	346	358	630	704	400	329	338	351	177	174	46		m	9/51	L1	TC
1147		339	359		696	374	340		374		163	48		f	1/52		RS
1192	80	353	379	652	721	388	342	323	366	194	189	49	9+19	m	1/52		RS
1192	80	354	361	651	734	404	351	326	336	203	194	49		f	9/51	L1	III
1205	85	366	372	655	742	422	341	366	377	186	184	54		m	9/51	L1	TC
1206	85	361	376	674	730	406	335	339	353	205	199	46		m	1/52		RS
1218		361	376	677	750	406	356	355	351	176	186	51		m	1/52	L1	RS

Table 23. Bigeye from the Central Equatorial Pacific, Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Cruise	Station
1237	91	375	382	670	758	435	353	365	364	195	193	51		m	8/		
1240	95	381	395	671	755	424	356	353	366	215	213	50		m	9/51		
1270		376	396	692	776	428	372	369	348	203	197			f	11/		
1272		381	399		793				374		230	58	9/17	f	8/		
1290		386	387	704	790	430	376	385	344	192	196	52		f	1/52		
1295	104	381	395	693	782	438	379	379	372	208	202	48		m	8/51		
1296	104	390	406	733	809	434	386	368	382	205	210	59	10/18	f	2/52		
1302	113	385	407	721	787	430	368	370	354	202	203	49		f	1/52		
1312	110		385	719	805	476	361	370	373	186	205	50		m	8/51		
1314	108	384	386	713	817	439	393	355	348	197	208	50		m	9/5		
1339	125	396	403	721	815	459	393	397	356	220	223	51		m	9/51		
1346	116	406	408	724	810	467	373	375	382	219	209	51		m	8/51		
1347	112	403	407	730	820	466	388	401	352	218	220	51		m	8/51		
1350	120	402	426	749	826	453	391	394	361	229	214	55	9/18	m	1/		
1375	125	397	417	741	831	446	398	386	381	208	217	53		f	1/52		
1375	125	408	411	742	835	468	400	401	356	221	212	58		f	9/51		
1376	123	398	419	759	828	448	391	201	369	221	233	54	9/18	m	2/5		
1389	125	404	411	743	845	479	398	378	383	207	213	49		f	8/5		
1389	135	404	408	747	838	463	404	392	366	227	211	53		m	9/51		
1390	135	410	415	751	846	466	410		336	213	216	55		m	8/51		
1408	130	409	424	756	832	467	397	406	349	222	222	53		m	9/51		
1426		404	433		858	451	430	421	373	252	218	52	9/19	m	9/52		
1434	145	417	431	788	867	464	418	406	367	218	232	55	8/18	m	1/52		
1443	148	433	441	789	877	500	410	426	366	235	224	56		f	9/51		
1447	147	416	431	780	867	470	425	407	374	256	229	50	8/18	m	10/52		
1447	155	431	444	778	876	487	424	412	378	222	221	47		f	9/51		
1462	158	430	448	803	881	478	400	422	383	229	229	59	9/18	f	2/52		
1465	150	431	444	792	889	490	423	416	370	241	238	53		f	9/51		
1477	157	445	430	788	899	518	441	440	382	228	228	53		m	9/51		

Table 23. Bigeye from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1492		430	422	794	896	471	440	399	362	245	227	53	8/18	f	9/52	L1	WMM
1494		433	465	813	905	476	434	415		226	237	62		m	8/52	L1	WFR
1495		445	462	817	910	504		425	400	228	224		8/18	f	10/50	L1	FCC
1506		440	452	803	910	502	426	433	384	246	228			m	11/50	L1	DHB
1509	184	443	463	828	911	496	445	422	389	227	259	55	10/17	f		L1	III
1517		438	450	798	903	488	445	443	384	235	249	56	8/19	m	9/52	L1	DLM
1520		453	468	821	913	500	429	457	380	254	265	49		m	8/52	L1	RS
1526		436	431	811	919	501		432	390	237	234		9/18	m	10/50	L1	FCC
1533	165	443	440	812	928	524	447	430	382	252	252	53		m	9/51	L1	EDS
1535	168	460	473	829	932	527	432	420	375	232	235	58		f	9/51	L1	III
1543	165	457	463	821	930	513	442	448	389	250	246	56		f	8/51	L1	III
1545	172	452	463	833	933	539	437	445	381	212	229	53		f	8/51	L1	III
1546	157	451	445	822	918	505	428	422	361	261	250	55		f	8/51	L1	TC
1553		446	458	831	941	495	468	443	393	253	251	59	8/19	m	9/52	L1	WMM
1555	190	464	468	825	947	525	465	454	365	245	244	62		f	9/51	L1	III
1558	187	466	465	835	936	527	465	444	393	260	235	56		f	9/51	L1	III
1559		448	453	839	928	510	452	427	366	242	242			m	11/50	L1	DHB
1568	180	466	463	839	940	538	431	447	375	266	247	50		f	8/51	L1	III
1570	193	460	455	831	923	509	451	471	375	265	234	57		m	9/51	L1	TC
1575		450	472	845	943	505	466	443	395	241	266	56	9/20	m	9/52	L1	DLM
1576	188	471	478	831	947	524	440	448	362	350	344	60		f	8/51	L1	III
1582		453	472	831	931	497	449	450	411	269	263	56	9/18	m	9/52	L1	DLM
1587	180	461	479	835	928	510	450	445	402	260	267	55	9/18	m	10/52	L1	III
1588	190	456	466	853	946	506	469	448	380	257	279	56	9/19	m	10/52	L1	III
1600		452	459	855	951	502	470	423	380	270	255	58	9/19	f	9/52	L1	DLM
1602	193	454	471	855	953	540	450	477	401	284	279	55		m	8/51	L1	III
1604		463	459	846	959	505	487	412	373	259	258			m	11/50	L1	DHB
1605	188	458	475	860	950	514	454	455	367	255	251	57		m	9/51	L1	III
1606	203	474	470	853	953	527	469	456	370	215	217	59		m	8/52	L1	RS
1620	190	415	436	809	907	469	463	427	393			44		m	8/51	L1	III

Table 23. Bigeye from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Length 1st Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Brand
1625	215	480	492	882	978	544	460	474	385	262	238	58		m	8/51	L1	III
1630	190	475	478	875	973	537	490		374	238	249	60		f	9/51	L1	TC
1634	200	478	480	865	970	544	463	457	410	273	273			f	9/51	L1	III
1642	198	468	494	878	964	520	455	454		272	264	7"		m	8/52	L1	WFR
1645	225	486	493	900	987	547	464	471	386	264	259	58		f	9/51	L1	III
1651	207	485	487	876	985	548	465	463	382	277	215	60		f	9/51	L1	III
1660	225	477	483	891	985	538	477	481	402	281	262	55		f	9/51	L1	III
1661		487	502	880	984	539	478	494	410	275	274	57	9⁄18	m	9/52	L1	DLM
1661	218	478	489	883	995	551	478	475	380	231	246	51		f	9/51	L1	III
1668	206	501	479	881	999	590	444	465	391	261	261	56		m	9/51	L1	III
1673	232	485	483	878	998	556	481	483	403	277	273	56		m	9/51	L1	TC
1690	229	497	489	884	1005	558	485	480	406	283	277	62		m	9/51	L1	TC
1692		484	503	889	996	539	482	484	382	256	242	60	8⁄19	m	9/52	L1	DLM
1699	245	495	513	907	1008	554	485	497	412	306	275	56		m	9/51	L1	III
1700		501	510	916	1001	542	481	474		248	247	68		f	8/52	L1	WFR
1710	228	490	487	902	1008	559	490	465	395	267	272	54		m	8/51	L1	III
1713		486	507	898	1012	541	500	477	392	276	279	61	9⁄18	m	9/52	L1	DLM
1715		487	488	899	1009	544	485	457	394	255	242	61	9⁄18	m	9/52	L1	DLM
1720	239	410	492	912	1012	533	509	499	414	287	267	55		m	9/51	L1	III
1721	230	491	494	905	1021	562	496	471	412	287	292	56		f	9/51	L1	TC
1726	248	497	521	914	1013	541	501	506		269	262	69		m	8/52	L1	WFR
1727	242	500	510	918	1020	546	483			268		67			8/52	L1	WFR
1732	251	509	505	921	1048	574	509	491	392	274	269	55		m	9/51	L1	III
1735		479	502	918	1019	540	510	482	400	263	245			m	11/50	L1	DLB
1743	251	500	503	926	1040	571	510	503	379	254	253	66		m	9/51	L1	TC
1746	245	504	499	911	1025	570	573	476	411	282	290	57		m	9/51	L1	III
1753	263	514	504	923	1043	592	509	521	396	283	267	60		m	9/51	L1	III
1755	267	496	511	965			526	518	414	259	282	58	9⁄19	f	10/52		TC
1757	236	520	511	913	1039	601	472		407	274	265	57		f	9/51	L1	III
1761		501	511	930	1036	546	521	491	404	280	278	59	8⁄18	f	9/52	L1	DLM

Table 23. Bigeye from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral - Ant. Edge V.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1767	261	515	523	951	1073	584	521	498	400	311	309	60		m	9/51	L1	III
1768		501	512	948	1049	547	528	500	392	274	271	56	10+18	m	9/52	L1	DLM
1773	257	509	528	938	1054	576	510	507	390	281	281	54		m	9/51	L1	TC
1788	264	507	512	932	1056	569	520	506	403	206	295	57		m	9/51	L1	TC
1796		502	530	972	1060	554	533	520		266	264	67		m	8/52	L1	WFR
1826		526	535	972	1082	584	532	535	439	319	321	63	8+18	m	9/52	L1	DLM
1827	275	517	547	975	1064	560	523	510		274	303	68		m	8/52	L1	WFR
1838	255	506	523	959	1065	559	537	490	405	297	289	58	8+18	m	10/52	L1	III
1841		510	528	970	1081	565	535	528	387	219	258	62		m	8/52	L1	RS
1851	260	512	520	950	1058	560	535	505	410	270	269	58	9+18	m	10/52	L1	III
1851	288	533	549	990	1110	614	521	508	421	289	289	56		m	9/51	L1	III
1909	298	527	529	968	1102	621	540	536	403	286	276	61	8+18	m	10/52		III

Table 24. Bigeye from the Central Equatorial Pacific: Western Line Islands

858		269	280	494	639	302	257	276	329	119	134			f	11/50	L1	DHB
1158	83	351	354	634	798	391	330	339	395	205	208	46	9+18	m	2/53	L1	SM
1368		402	406	732	828	467	386	389	384	220	238			m	11/50	L1	FCC
1368		410	412	743	830	463	393	395	351	203	210			m	11/50	L1	FCC
1372		409	408	746	846	473	405	389	357	242	202			f	11/50	L1	DHB
1471		432	427	780	880	498	412	410	376	255	243			m	11/50	L1	FCC
1488		441	443	808	897	496	435	422	379	211	220			f	11/50	L1	FCC
1524		431	431	816	904	502	436	420	374	253	225			m	11/50	L1	FCC
1922		524	524	962	1095	599	540	542	428	302	290		8+18	m	11/50	L1	FCC

Table 25. Bigeye from the Central Equatorial Pacific: Phoenix Islands

1452	141	422	440	791	876	470	421	406	347	223	218	52		f	3/52	L1	TO
1492	160	423	441	794	877	462	439	413	359	248	235	54	8+18	f	11/52		TO
1723	245	472	485	906	1013	522	518	487	393	258	265	53	8+18	m	11/52		TO

Table 26. Bigeye from the Western Equatorial Pacific: Eastern Marshalls

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Pectoral to Ant. Edge Vent.	Greatest Body Depth	Length of Pectoral	Height 1st Dorsal	Height 2nd Dorsal	Height Anal	No. Gill Rakers				
1352		400	412	740	824	448	399	387	367	224	231	84	9/10	m	2/51	L1	M3
1431	137	422	433	782	872	466	421	406	372	244	255	52	9/17	m	2/52	L1	TO
1492	173	429	452	803	887	481	433	400	379	251	246	58	8/17	m	2/52		GIM
1510	165	427	447	813	889	469	433	428	361	241	244	58	10/19	m	2/52		GIM

Table 27. Bigeye from the Western Equatorial Pacific: Western Marshalls

379	2.4	112	123	216	241	128	117	108	117	37	31	21	9/18		8/51	P1	WVC
398	2.8	122	134	228	255	136	126	112	131	43	37	24	8/19		9/51	P1	WVC
410	3.0	122	136	233	257	139	124	115	137	43	41	25	8/18		9/51	P1	WVC
421	2.9	128	139	241	270	144	129	118	131	46	40	25	9/19		8/51	L1	WVC
423	3.2	127	139	241	274	145	125	118	129	43	41	25	9/17		10/51	L1	WVC
439	3.9	133	150	251	271	149	126	124	151	46	41	26	8/17		7/51	L1	WVC
445	4.2	137	150	253	277	153	133	129	146	49	42	27	8/18		7/51	L1	WVC
454	3.3	137	154	260	288	157	137	125	156	48	45	26			9/51	L1	WVC
455	4.9	138	151	257	285	157	135	124	150	47	43	26	8/18		7/51	L1	WVC
456	3.9	139	153	262	294	157	144	135	156	52	48	30	8/20		8/51	L1	WVC
459	4.4	140	152	267	290	157	139	133	162	50	47	26	9/18		10/51	L1	WVC
470	4.8	145	155	268	296	165	138	137	161	51	45	28	9/18		8/51	L1	WVC
486	5.3	148	165	282	302	166	144	143	166	56	51	30	8/18		7/51	L1	WVC
487	5.3	151	164	279	309	161	150	142	171	52	48	28	9/18		8/51	L1	WVC
512	5.4	158	170	296	323	177	152	143	184	58	54	29	8/18		7/51	L1	WVC
536	6.6	169	188	310	338	187	156	153	196	59	61	30	8/19		7/51	L1	WVC
538	7.4	171	170	302	341	192	165	156	221	67	62	32	8/17		7/51	L1	WVC
545	7.4	166	184	316	351	188	170	159	171	61	61	30	9/18		7/51	L1	WVC
553		164	185	318	352	196	169	161	199	63	63	33	9/19	f	7/51	L1	WVC
561	8.6	176	186	322	357	196	164	160	219	67	61	32	10/19		7/51	L1	WVC
561	7.4	180	191	327	364	200	171	170	183	68	62	32	9/18		9/51	L1	WVC
563		175	190	323	362	196	169	155	213	72	68	32	8/18	f	5/51	L1	TO
568	8.1	175	190	326	358	193	173	160	202	69	61	33	9/18		7/51	L1	WVC
569	9	175	191	327	361	199	169	166	221	69	66	33	8/18		7/51	L1	WVC
588	9.8	188	201	342	378	213	174	173	234	79	70	35	9/18		7/51	L1	WVC

Table 27. Bigeye from the Western Equatorial Pacific: Western Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length 2nd Dorsal	Height 2nd Dorsal	Pectoral	Caudal Fin	No. Gill Rakers	Sex	Month and Year	Gear	Examined
589		188	200	337	377	207	181	175	230	75	68	34	8+18		7/51	L1	WVC
600	10 3/4	188	201	342	381	212	182	176	236	78	70	35	8+18	f	7/51	L1	WVC
625		197	209	361	398	221	185	179	238	79	74	34	8+18	f	5/51	L1	TO
660		207	225	385	410	228	190	178	262	87	84	35		m	5/51	L1	TO
662		206	217	382	426	230	206	189	260	88	83	35	8+18	f	5/51	L1	TO
664	14	208	221	379	421	235	196	188	262	86	79	35	9+18	f	7/51	L1	WVC
695	16 1/2	217	235	402	436	240	202	196	275	92	85	37	9+19		7/51	L1	WVC
710		222	231	407	443	243	208	206	275	93	88	37			2/51		KE
722		224	237	416	459	250	216	207	295	99	90	37		f	5/51	L1	TO
733		227	240	419	460	249	216	215	301	102	99	36	8+18	m	5/51	L1	TO
761		230	242	434	480	262	232	210	325	104	99	38		m	5/51	L1	TO
784		240	249	442	482	271	216	216	215	100	97	39			2/51		KE
805		245	261	458	508	272	247	234	336	111	101	40			2/51		KE
807		248	259	451	496	273	239	231	340	112	105	41			2/51		KE
809		250	268	477	499	270	235	239	358	116	116	43			2/51		KE
835		254	265	471	524	281	260	242	375	127	117	39		f	5/51	L1	TO
845		259	245	476	522	288	250	237	368	124	111	41			2/51		KE
880		263	280	500	557	300	256	239	373	119	120	42		f	5/51	L1	TO
900		275	284	507	574	306	271	251	345	128	127	44			2/51		KE
904		267	286	503	555	305	250	259	363	129	127	41			2/51		KE
913		270	289	510	558	290	373	255	385	133	134	40			2/51		KE
921		275	290	513	568	304	270	257	345	145	140	42			2/51		KE
943		286	296	529	584	342	261	262	352	138	135	45			2/51		KE
949		286	303	537	595		271	270	366	143	141	43			2/51		KE
958		280	288	536	595	341	265	265	376	141	141	44			2/51		KE
970		289	302	536	600	321	287	284	422	151	141	43			2/51		KE
973		286	301	542	603	319	294	267	446	158	151	45			2/51		KE
980		290	309	545	600	335	267	273	402	153	152	44			2/51		KE
981		292	309	539	606	323	285	274	343	155	145	44			2/51		KE
991		305	322	565	619	338	287	287	405	154	142	44			2/51		KE

Table 27. Bigeye from the Western Equatorial Pacific: Western Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	[illegible]	[illegible]	[illegible]	[illegible]	No. Gill Rakers	Sex	[illegible]	Stage	Locality
993		298	315	564	624	330	300	282	379	164	147	45			2/51		KE
1033		309	320	569	635	355	299	286	350	148	[illegible]	47			2/51		KE
1043		309	320	577	651	345	306	281	407	153	160	46			2/51		KE
1090		316	337	603	669	359	311	307	394	160	177	45		m	2/51	Li	KE
1117		331	350	622	689	374	324	311	345	181	175	48			2/51		KE
1135		335	350	632	705	376	339	340	339	174	182	47			2/51		KE
1165		340	345	623	719	384	351	332	335	193	186	50			2/51		KE
1191		355	360	634	737	403	366	338	333	167	167	54			2/51		KE
1214		348	367	665	741	386	365	348	357	207	196	48			2/51		KE
1215		358	378	660	730	398	345	409	348	200	199	50			2/51		KE
1224		350	373	669	743	393	358	354	344	191	193	48			2/51		KE
1231		366	375	673	748	412	346	339	348	190	199	52			2/51		KE
1235		362	376	666	750	418	340	347	354	195	204	51			2/51		KE
1242		365	383	679	752	410	352	349	385	212	204	51			2/51		KE
1251		358	379	685	750	398	360	370	341	194	183	49			2/51		KE
1259		356	376	680	759	393	373	349	360	210	194	53			2/51		KE
1260		359	388	684	768	401	377	344	364	210	192	47			2/51		KE
1276		367	377	687	772	412	373	351	346	195	203	50			2/51		KE
1277		368	386	695	780	405	380	348	340	200	205	49			2/51		KE
1284		372	397	685	760	406	364	384	331	209	192	51			2/51		KE
1299		363	389	702	792	428	394	386	339	197	217	50			2/51		KE
1313		384	409	714	796	425	381	386	359	208	197	54			2/51		KE
1321		377	443	723	799	418	383	373	335	218	213	52			2/51		KE
1325		390	405	727	816	442	385	384	345	218	212	58			2/51		KE
1333		375	393	707	799	420	396	379	256	215	218	48			2/51		KE
1341		391	403	720	821	438	399	372	332	217	192	55			2/51		KE
1344		391	411	737	789	428	391	390	377	244	245	53			2/51		KE
1364		384	415	734	826	438	403	414	360	214	231	54			2/51		KE
1365		398	404	736	817	438	407	374	349	212	221	53			2/51		KE
1366		402	413	746	829	440	406	396	367	225	239	56			2/51		KE

Table 27. Bigeye from the Western Equatorial Pacific: Western Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Ventral	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1369		384	403	734	811	430	396	383	371	217	215	55			2/51		KE
1374		400	414	753	825	445	391	401	343	215	224	56			2/51		KE
1375		385	396	730	818	431	405	393	367	243	221	53			2/51		KE
1379		399	412	741	840	470	423	391	380	230	243	55			2/51		KE
1389		391	420	760	839	443	415	401	346	222	212	58			2/51		KE
1390		393	417	746	830	442	398	398	371	210	218	56			2/51		KE
1409		404	424	771	858	455	422	389	377	212	220	55			2/51		KE
1410		406	425	757	851	476	387	413	365	234	232	53			2/51		KE
1429		407	420	755	862	449	429	415	373	252	242	54			2/51		KE
1430		413	439	770	866	459	429	417	361	244	252	58			2/51		KE
1431		417	430	792	907	483	443	391	353	225	224	55			2/51		KE
1442		420	434	780	870	487	410	426	375	226	217	60			2/51		KE
1447		419	440	776	864	465	417	400	358	242	229	57			2/51		KE
1450		414	441	777	858	459	415	427	375	252	246	56			2/51		KE
1452		418	427	773	878	453	435	417	355	220	219	54			2/51		KE
1454		407	435	788	880	459	447	427	372	233	229	52			2/51		KE
1456		413	450	784	878	462	428	431	383	223	241	55			2/51		KE
1459		424	445	780	883	492	419	425	372	214	227	57			2/51		KE
1465		421	427	785	885	473	430	412	355	250	228	55			2/51		KE
1468		405	430	770	871	455	430	410	351	251	242	56			2/51		KE
1475	140	414	432	778	868	454	435	407	372	247	243	55	8+18	m	5/51	L1	TO
1479		424	455	811	912	470	455	400	370	248	237	56			2/51		KE
1488		433	462	800	887	472	430	431	361	233	226	60			2/51		KE
1489		427	433	801	894	482	429	424	380	226	256	55			2/51		KE
1493		428	467	813	895	472	449	427	398	263	247	56			2/51		KE
1502		423	441	800	897	472	462	411	365	231	251	53			2/51		KE
1503		420	442	805	891	468	435	414	349	252	238	59			2/51		KE
1504		431	452	807	896	484	424	427	359	225	228	56			2/51		KE
1514		423	444	802	879	474	430	431	370	241	242	59			2/51		KE
1522		435	453	803	904	496	435	431	383	254	249	60			2/51		KE

Table 27. Bigeye from the Western Equatorial Pacific: Western Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body D...	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Ex...
1542		427	447	801	917	493	447	429	368	315	243	55			2/51		KE
1549		438	438	802	909	481	452	421	366	226	229	56			2/51		KE
1558		423	472	827	915	480	453	425	396	239	250	53			2/51		KE
1559		434	460	831	923	494	445	438	388	250	266	53			2/51		KE
1566		446	459	839	916	477	444	441	390	235	246	53			2/51		KE
1569		431	448	814	932	492	458	438	368	246	256	57			2/51		KE
1576		429	459	857	949	487	480	431	355	249	239	53			2/51		KE
1580	184	452	467	847	950	490	470	433	394	269	262	60	8≠18	m	5/51	L1	TO
1602		447	475	861	951	509	465	450	383	263	257	52			2/51		KE
1610	196¾	451	486	860	945	496	473	483	395	250	270	60	8≠17	m	7/51	L1	WVC
1612		443	468	844	954	526	450	447	386	238	261	58			2/51		KE
1617	190	448	473	851	953	489	498	462	382	266	267	55	8≠18	m	5/51	L1	TO
1620		461	473	866	971	529	457	481	369	251	239	55			2/51		KE
1629	201	460	493	878	964	495	491	475	397	242	235	58	7≠18	m	7/51	L1	WVC
1638	201	450	503	890	986	492	503	439	371	259	233	56	10≠20	m	7/51	L1	WVC
1642	222¼	451	495	871	953	485	495	500	378	267	262	60	8≠17	m	7/51	L1	WVC
1655	202	458	470	875	955	503	463	459	388	279	248	57	8≠18	m	5/51	L1	TO
1663	211	460	483	892	990	517	498	479	388	277	255	56		m	5/51	L1	TO
1685		481	500	897	985	523	482	477	379	271	253	61			5/51	L1	TO
1711	248	480	512	915	1018	528	509	506	381	235	249	58	8≠17	f	8/51	L1	WVC
1721	228½	487	521	920	1002	543	484	486	390	261	250	63	8≠18	m	7/51	L1	WVC
1722	237¾	469	506	913	1015	532	501	490	399	254	256	55	8≠19	f	10/51	L1	WVC
1737		482	511	923	1026	536	516	492	408	271	254	60		m	5/51	L1	TO
1740	250½	465	412	927	1028	515	536	503	394	273	269	55	8≠18	m	7/51	L1	WVC
1757	270½	501	514	938	1049	560	521	513	385	272	254	63	8≠15	m	9/51	L1	WVC
1767	254¼	476	513	918	1022	525	531	521	398	300	266	58	8≠17	m	7/51	L1	WVC
1780	283	486	551	960	1058	541	556	538	375	261	280	63	9≠18	m	10/51	L1	WVC
1795	258¼	488	529	946	1058	552	531	498	389	250	245	58	9≠18	m	10/51	L1	WVC
1804	293½	499	544	951	1060	540	542	491	409	267	263	58	9≠19	m	10/51	L1	WVC
1804	254	488	529	957	1062	562	525	524	391	247	251	59	9≠18	m	10/51	L1	WVC

Table 28. Bigeye from the Western Equatorial Pacific: Eastern Carolines

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Embryos
492		158	168	291	314	168	147	137	180	56	55	27			4/51	L1	TO
501	7	156	169	294	320	164	153	140	173	58	50	29	8≠19	f	4/51	L1	TO
513		158	173	296	331	169	158	149	209	61	58	30		f	5/51	L1	TO
515		163	166	294	328	183	150	146	194	61	58	30			3/50	L1	BMS
521		163	172	298	333	184	153	144	194	65	61	31			7/50	L1	BMS
535		164	173	304	344	188	168	150	198	68	62	31			7/50	L1	BMS
537		172	182	306	346	192	166	156	221	63	62	33			7/50	L1	BMS
546		172	181	312	345	196	157	143	224	69	62	34		f	5/51	L1	TO
554	8.2	172	191	320	351	188	170	159	219	69	66	36	8≠18		6/51	L1	WVC
567	8.2	178	191	323	357	200	163	163	196	70	63	33	9≠17	f	9/51	L1	WVC
568	8.7	179	190	320	362	196	176	153	206	66	62	34	9≠19	f	6/51	L1	WVC
568	7.8	166	183	314	338	180	163	146	181	74	77	29	9≠21	f	6/51	L1	WVC
575		182	192	334	363	199	170	157	232	67	65	33	8≠18	f	5/51	L1	TO
581	9	180	193	333	365	200	176	161	225	72	71	33	9≠18	f	9/51	L1	WVC
593	9.5	185	188	329	379	201	180	157	230	76	72	35	10≠19	f	6/51	L1	WVC
594		186	186	340	376	208	170	169	231	75	72	32	8≠18	f	5/51	L1	TO
595		185	193	335	378	211	175	169	233	71	67	34			8/50	L1	BMS
610		189	197	346	386	201	187	172	238	71	71	33	8≠20	f	4/51	L1	TO
629		197	211	370	398	217	183	178	248	80	72	34	8≠18	f	4/51	L1	TO
646		205	211	372	414	230	194	172	248	82	80	38			8/50	L1	BMS
648		200	211	379	418	222	199	171	262	83	78	36		f	5/51	L1	TO
672		214	220	384	429	235	198	185	257	91	86	38		f	5/51	L1	TO
675		210	219	382	425	230	207	195	265	86	86	35		m	4/51	L1	TO
676		208	218	388	419	227	199	205	283	90	87	36		m	4/51	L1	TO
679	14	212	225	390	426	228	208	195	223	96	82	37	9≠18	f	6/51	L1	WVC
686		214	225	392	427	238	198	211	275	89	85	36			4/51	L1	TO
695		217	220	397	429	237	198	189	295	91	84	36	10≠20	m	4/51	L1	TO
701		223	240	406	445	244	203	211	311	96	91	38			2/51		KE
705		219	228	399	448	241	209	202	295	101	93	38			2/51		KE
707		221	231	408	448	241	208	199	301	94	87	38	9≠18		4/51	L1	TO

Table 28. Bigeye from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Base 1st D. to Ins. Ventrals	Ins. Ventrals to Ant. Base Anal	Caudal Peduncle Depth	Length 2nd Dorsal	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Remarks
730		232	242	421	460	250	211	208	295	98	94	47		f	5/51	LL	TO
747		232	231	418	464	257	218	214	314	103	98	38			2/51		KE
751		232	245	431	479	267	210		314	100	101	37			8/50	LL	BMS
751		231	242	429	472	260	218	220	314	107	94	39			2/51		KE
754		234	248	430	180	255	231	210	312	97	91	38			2/51		KE
757		225	239	428	468	248	229	216	318	97	97	37	8/18	f	5/51	LL	TO
768		241	249	439	485	266	224	222	330	105	102	41		m	5/51	LL	TO
779		235	253	437	495	267	231		324	104	106	38			8/50	LL	BMS
795		248	264	461	499	268	231	21[illegible]	362	117	110	40	9/19	m	4/51	LL	TO
802		249	251	450	492	274	228	232	341	115	111	39			2/51		KE
811		248	258	462	508	267	242	235	347	122	112	40	8/18	m	5/51	LL	TO
812		250	261	463	512	276	240	229	329	110	105	41	8/18	m	6/51	LL	TO
820		249	267	468	514	277	256	236	372	119	116	41			2/51		KE
825		256	257	459	508	290	231		335	123	116	40			8/50	LL	BMS
827		254	275	480	513	276	247	244	316	120	109	40		f	4/51	LL	TO
830		254	263	470	517	283	239	232	332	121	116	40		m	6/51	LL	TO
842		255	277	475	528	281	251	248	372	120	112	41	8/18	m	4/51	LL	TO
844		261	276	483	518	286	243	242	370	126	130	42			8/50	LL	BMS
853		262	265	481	529	287	254	248	337	127	127	40		f	4/51	LL	TO
859		261	276	490	545	285	258	227	355	117	112	40		f	5/51	LL	TO
860		263	276	493	532	288	245	244	352	125	125	43	8/18	f	4/51	LL	TO
862		264	283	498	539	285	236	235	352	125	125	43	9/19	m	4/51	LL	TO
874		266	280	488	538	306	245		396	124	119	44			8/50	LL	BMS
875	31	264	289	498	544	297	255	2[illegible]	407	116	115	42		f	5/51	LL	TO
879		267	271	485	548	299	259	255	376	172	178	41			2/51		KE
881		269	285	494	545	292	257	252	316	123	119	42	8/18	m	5/51	LL	TO
895		266	279	503	558	305	255	250	392	129	124	40		m	4/51	LL	TO
923		279	292	509	564	313	258	256	382	137	130	43		m	4/51	LL	TO
925		283	293	521	577	328	252	260	365	136	130	42		m	4/51	LL	TO
929		278	299	537	585	313	279	267	400	143	134	42	8/18	f	4/51	LL	TO

Table 28. Bigeye from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Elg. Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	A. Gill Rakers	Sex	Month and Year	Gear	Examiner
931		284	295	525	588	318	276		367	129	143	42			8/50	L1	BMS
932		283	297	525	591	314	288	270	362	150	145	45		m	6/51	L1	TO
935		283	295	523	574	320	264		402	142	136	43			8/50	L1	BMS
941		275	297	521	583	320	271	272	354	135	135	40			2/51		KE
949		290	294	529	591	322	276	265	288	145	145	43		m	4/51	L1	TO
953		285	289	531	590	325	267	263	365	147	141	43		f	4/51	L1	TO
955		285	283	526	594	326	268	260	338	144	140	42			2/51		KE
960		291	309	536	599	325	283	266	385	146	143	44			2/51		KE
962		286	310	537	603	324	286		374	140	142	43			8/50	L1	BMS
979		295	315	541	613	338	279	268	362	148	152	42		f	4/51	L1	TO
986		296	302	542	601	330	278	266	380	152	136	41		m	4/51	L1	TO
986		302	320	555	607	332	282	271	373	142	144	42			2/51		KE
990		299	302	553	616	336	285	277	417	161	155	45	8/18	m	4/51	L1	TO
1000		318	335	585	662	354	328		341	179	182	46			8/50	L1	BMS
1001		302	308	561	626	340	289	278	459	158	148	43		m	6/51	L1	TO
1006		302	311	563	633	343	296	287	372	150	152	44		m	4/51	L1	TO
1011		300	315	561	617	337	284	281	160	145	148	44		m	4/51	L1	TO
1016		299	310	559	623	341	285	280	395	146	147	44			2/51		KE
1022		306	327	572	626	335	289	283	388	162	167	46	8/18	f	4/51	L1	TO
1022		313	319	565	633	359	292	298	329	141	140	44			2/51		KE
1028		309	323	575	634	342	305	285	357	158	160	44			4/51	L1	TO
1033		304	321	567	634	346	298	280	359	141	137	46			2/51		KE
1035		301	311	563	640	335	321		375	161	158	44			8/50	L1	BMS
1037		315	328	579	635	350	290	287	437	148	150	46		f	4/51	L1	TO
1047		316	324	583	630	332	302	300	366	173	170	45		m	5/51	L1	TO
1050		315	323	571	635	351	284	281	334	146	151	45		f	4/51	L1	TO
1054		312	318	582	631	342	297	282	358	170	165	48		f	6/51	L1	TO
1056		312	333	586	640	348	303		352	174	168	48		f	8/50	L1	BMS
1060		313	329	582	651	355	311		476	166	172	44			8/50	L1	BMS
1067		320	333	594	641	356	295		361	168	158	51			8/50	L1	BMS

Table 28. Bigeye from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 1st Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	[illegible]	[illegible]	[illegible]
1072		318	330	596	656	357	319		332	180	167	48			8/50	L1	BMS
1075		319	323	592	660	359	307	279	399	163	166	46		m	4/51	L1	TO
1075		323	326	589	665	362	309	298	412	167	160	46		m	6/51	L1	TO
1081		319	324	589	665	372	307		337	181	175	47			8/50	L1	BMS
1088		319	329	595	668	361	325		373	178	175	49			8/50	L1	BMS
1088		324	337	598	668	356	334		459	183	174	47			8/50	L1	BMS
1096		326	345	606	678	356	327	305	361	177	192	44		f	4/51	L1	TO
1101		328	336	601	661	369	311		345	173	170	49			8/50	L1	BMS
1102		332	345	314	678	375	323		339	182	183	46			8/50	L1	BMS
1108		326	346	612	678	376	323	321	345	176	183	48			8/50	L1	BMS
1112	66	334	350	617	692	371	330	335	341	175	175	48	8/17	f	4/51	L1	TO
1114	64	332	351	620	686	375	325	311	346	171	188	49			4/51	L1	TO
1121		322	332	599	673	360	322		341	177	169	46			8/50	L1	BMS
1126		328	347	626	685	371	334	318	363	170	167	47			2/51		KE
1127		341	364	634	711	388	347	326	361	201	191	50			2/51		KE
1128		332	351	612	691	375	333		374	171	181	48			8/50	L1	BMS
1134	66	330	346	610	694	361	342	313	321	169	169	50		f	4/51	L1	TO
1142		333	352	628	696	370	336	322	370	203	183	47		f	6/51	L1	TO
1145		348	359	635	690	395	322		367	182	183	51			8/50	L1	BMS
1147	83	338	341	623	704	375	347	338	335	187	181	50		f	4/51	L1	TO
1152		342	361	638	703	386	333	339	341	165	180	50			2/51		KE
1156		347	367	648	700	373	326	322	328	177	174	49			2/51		KE
1159		340	367	641	704	386	326	322	382	180	172	49			2/51		KE
1160		346	353	629	695	387	335	333	365	185	180	49			2/51		KE
1170		344	353	637	719	381	343	322	354	179	184	52		f	5/51	L1	TO
1182		349	363	642	724	402	330	325	336	177	192	52			2/51		KE
1188		338	359	647	737	397	356	334	335	191	180	51			2/51		KE
1188		346	376	658	721	373	355	332	345	193	186	51			2/51		KE
1192		343	359	673	730	380	355	340	345	193	178	49			4/51	L1	TO
1195	93	348	360	658	734	384	357	348	325	187	195	51	8/17	f	4/51	L1	TO

Table 28. Bigeye from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventrals to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1197	74	346	367	652	726	380	359	330	331	198	205	53	8/18	f	4/51	L1	TO
1200		346	358	642	730	407	330	332	342	196	177	48			2/51		KE
1213	95	354	362	658	727	391	352	355	339	188	180	53	8/18	m	4/51	L1	TO
1226			381	665	755	410	362	342	343	186	201	52			2/51		KE
1233		361	378	671	741	408	354		377	202	205	51			8/50	L1	BMS
1235		358	378	683	756	393	364	316	350	204	188	51		f	4/51	L1	TO
1245		365	372	663	769	415	370	348	364	205	205	50			2/51		KE
1249	86	361	370	671	765	400	382	355	332	186	190	50	8/18	f	4/51	L1	TO
1263		366	394	698	761	403	377	365	352	199	194	49		f	4/51	L1	TO
1264		363	372	675	774	424	368	373	333	232	212	50			2/51		KE
1270		363	375	686	768	417	369	360	359	193	200	50			2/51		KE
1274		378	401	701	767	416	371	381	372	247	232	53		f	4/51	L1	TO
1282	99	369	380	699	790	440	373	362	345	215	205	51		f	4/51	L1	TO
1294		372	383	700	778	413	381	372	358	237	216	49			2/51		KE
1295		376	386	694	773	413	374	356	351	209	203	51	8/18	m	4/51	L1	TO
1297		377	402	708	782	404	391	381	345	194	201	54		m	4/51	L1	TO
1302		387	390	697	795	425	379	379	347	223	220	56			2/51		KE
1307		393	388	704	785	429	382		343	213	219	57			8/50	L1	BMS
1308		386	411	706	796	418	393	362	346	227	216	53	8/18	f	4/51	L1	TO
1314	114	381	393	698	790	425	399	390	357	202	202	54		f	4/51	L1	TO
1316			402	711	795	414	386	363		181	194	51			2/51		KE
1316		383	410	714	800	425	387	390	377	253	225	52			2/51		KE
1318		390	397	720	798	442	367	364	349	215	210	56			2/51		KE
1321			395	711	810	443	375	371	365	207	213	54			2/51		KE
1321	122	382	403	725	793	428	376	388	360	226	221	54	8/19	m	4/51	L1	TO
1326		384	387	722	803	424	387	366	354	233	211	51	8/18	m	4/51	L1	TO
1329		387	410	724	796	431	381		364	207	219	54			8/50	L1	BMS
1331		388	403	714	800	431	386		345	206	215	63			8/50	L1	BMS
1337		401	408	723	811	446	387		354	241	244	59			8/50	L1	BMS
1350	122	380	396	724	804	416	400	396	361	223	233	53	8/18	m	4/51	L1	TO

Table 28. Bigeye from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Anal	Greatest Body Depth	Length 2nd Dorsal	Height 1st Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month/Year	Area	Locality
1361	119	398	403	730	811	438	391	377	372	230	233	55		m	4/51	L1	TO
1368		407	414	715	806	446	378		369	236	229	57			8/50	L1	BMS
1375	130	394	406	740	814	424	401	397	345	239	231	55		m	4/51	L1	TO
1387		397	420	746	829	435	407	392	367	221	217	53		m	4/51	L1	TO
1391	137	403	408	753	829	447	395	391	389	224	220	53		m	4/51	L1	TO
1392		406	417	756	855	445	419	395	373	271	246	56			2/51		KE
1399	130	405	418	760	848	436	427	388	356	239	236	57		m	4/51	L1	TO
1400	132	395	428	766	846	434	432	402	364	217	209	56	8≠18	f	4/51	L1	TO
1401		400	428	752	841	454	411		345	242	239	58			8/50	L1	BMS
1415		400	426	767	852	445	418	406	363	242	240	53		m	4/51	L1	TO
1415		411	440	757	839	456	406		356	245	251	58			8/50	L1	BMS
1419		413	416	752	851	457	425		351	240	208	59			8/50	L1	BMS
1422		410	413	746	826	449	400		339	231	231	57			8/50	L1	BMS
1423		399	421	770	847	434	430	398	351	221	219	52		m	4/51	L1	TO
1423	132	406	418	770	851	444	415	345	355	212	220	54	8≠18	m	4/51	L1	TO
1424	149	409	444	775	848	442	436	436	359	232	231	60	8≠18	m	4/51	L1	TO
1435	145	410	429	766	855	446	419	421	374	232	241	54		m	4/51	L1	TO
1435		414	432	764	855	464	423	397	397	227	223	56			2/51		KE
1435	140	416	432	771	863	468	411	421	350	219	231	56	8≠18	f	4/51	L1	TO
1436	149	396	416	777	876	458	435	427	356	245	241	55	8≠18	f	4/51	L1	TO
1440	136	416	404	768	872	514	425	395	348	237	225	61		m	4/51	L1	TO
1443		410	439	773	851	458	413	405	366	194	215	55			2/51		KE
1450	157	406	419	768	850	435	430	405	375	255	236	55	8≠18	m	4/51	L1	TO
1459	157	420	442	787	862	461	428	441	363	243	240	53		m	4/51	L1	TO
1464		424	466	805	883	514	400	432	375	273	250	61			/51		KE
1467		423	430	783	875	480	412	429	357	218	228	60		m	5/51	L1	TO
1468		419	449	788	878	463	432	419	337	227	227	57		m	4/51	L1	TO
1468	141	427	432	789	884	480	437	434	378	260	246	55		m	4/51	L1	TO
1474		424	439	784	878	473	436		368	250	243	58			7/50	L1	BMS
1483		406	420	777	875	447	432	402	373	255	260	54			2/51		KE

Table 28. Bigeye from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1488		440	446	800	892	486	429		337	230	225	60			8/50	Ll	BMS
1490		424	439	795	897	483	424	435	369	252	251	55		m	4/51	Ll	TO
1501	153	422	445	799	897	465	458	439	388	260	260	55		m	4/51	Ll	TO
1505		431	453	808	900	475	435	429	380	229	233	54		m	4/51	Ll	TO
1509		433	441	807	914	528	415	434	353	227	239	55			2/51		KE
1509		439	441	816	904	490	430	428	372	259	245	59		f	4/51	Ll	TO
1525		445	448	824	916	485	445	443	365	241	250	60		m	4/51	Ll	TO
1538		440	458	823	917	480	462	471	393	254	242	55	8/18	m	5/51	Ll	TO
1572		449	460	839	929	500	448	455	388	271	278	59		f	4/51	Ll	TO
1590		443	469	849	963	492	493	470	367	257	240	60			2/51		KE
1590		448	470	851	947	502	453	437	387	244	233	57			2/51		KE
1599	198	443	474	858	961	501	496	487	387	277	255	62		m	4/51	Ll	TO
1608	207	449	469	861	956	491	470	452	382	242	255	59	8/18	m	4/51	Ll	TO
1621	193	451	471	861	982	529	483	449	385	258	240	56		m	4/51	Ll	TO
1637		472	500	899	994	517	494	442	369	253	239	59		m	4/51	Ll	TO
1646	206½	449	496	890	982	487	508	457	363	273	264	55	9/18	f	6/51	Ll	WVC
1652		454	479	875	1003	533	492	455	404	275	255	55			2/51		KE
1653		454	480	879	953	488	472	444	388	250	250	55	8/18	m	4/51	Ll	TO
1666		456	477	863	972	494	490	449	400	245	247	58		m	4/51	Ll	TO

Table 29. Bigeye from the Western Equatorial Pacific: Central Carolines

516		160	171	294	326	178	152	151	197	59	54	29			7/50	Pl	BMS
549		177	188	312	351	201	157	153	217	70	60	32			6/50	Ll	BMS
628		195	206	365	399	217	191	186	246	80	76			f	4/51	Ll	TO
645		200	211	363	411	229	197	178	230	85	77	34			6/50	Ll	BMS
649		199	209	366	413	226	187	179	264	85	79	34			12/50		KE
685		212	223	388	432	234	201	196	307	93	83	35			4/51	Ll	TO
697	17	216	230	402	448	235	211	189	261	92	94	35		f	4/51	Ll	TO
707		220	229	402	455	248	210	184	262	96	91	38		f	4/51	Ll	TO
713		216	232	406	453	236	220	208	312	95	93	36		f	4/51	Ll	TO
716		218	239	413	449	246	204	194	282	84	88	38		f	4/51	Ll	TO

Table 29. Bigeye from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to 1st Dorsal	Snout to 2nd Dorsal	Snout to Anal	Snout to Ventral	Snout to Pectoral	Length Pectoral	[illegible]	[illegible]	[illegible]	No. Gill Rak.	Sex	[illegible]	[illegible]	[illegible]
726		222	238	416	456	251	215	196	282	102	104	38			6/50	L1	BMS
729	21	231	245	430	466	256	213	210	302	102	100	38	8/18	f	4/51	L1	TO
740		234	240	426	468	257	218	208	306	108	92	38	8/19	f	4/51	L1	TO
746	18	227	239	422	468	251	216	201	312	96	86	36	8/18	f	4/51	L1	TO
752		253	243	429	474	265	216	201	291	102	96	38	8/18	f	4/51	L1	TO
753		232	237	424	480	254	238	202	318	101	98	39		f	4/51	L1	TO
756	21	238	251	432	486	263	234	219	343	116	104	38		f	4/51	L1	TO
775	21	238	253	444	485	260	228	215	316	105	102	39		m	4/51	L1	TO
778	21	240	259	446	492	261	246	220	310	112	104	40		m	4/51	L1	TO
783		241	251	452	490	262	232	222	284	108	107	39		m	4/51	L1	TO
785	21	246	252	449	491	265	230	222	319	115	107	41		m	4/51	L1	TO
790	22	239	258	458	499	268	225	213	359	110	103	36			4/51	L1	TO
793		241	259	443	505	272	238		314	111	109	41		f	7/50	L1	BMS
801		245	259	450	503	279	239	223	333	117	113	40			7/50	L1	BMS
805		246	261	460	505	280	224	221	321	108	107	40		f	4/51	L1	TO
820	29	256	264	455	516	282	240	242	312	114	116	42		m	4/51	L1	TO
823		255	270	464	510	285	237	233	337	121	112	38			6/50	L1	BMS
827		252	261	454	521	286	254	231	313	109	114	42			6/50	L1	BMS
838		260	274	478	528	306	231	227	360	116	116	41			6/50	L1	BMS
844		266	275	477	546	308	247	241	372	129	121	42			6/50	L1	BMS
868		263	284	493	535	294	260		373	129	124	42			7/50	L1	BMS
893	27	272	281	507	544	301	243	231	375	130	118	41		f	4/51	L1	TO
913		284	297	513	585	319	278	262	416	136	133	42		m	4/51	L1	TO
923		273	287	513	572	315	256	261	387	127	133	43			4/51	L1	TO
945		271	293	525	586	308	286	262	438	141	133	42			12/50		KE
959		287	309	538	590	323	275	267	419	141	133	42		m	4/51	L1	TO
959		311	324	521	637	345	311	294	329	176	172	44			7/50	L1	BMS
964		296	300	537	590	318	278	277	378	154	156	45			4/51	L1	TO
967		294	310	540	603	329	281	273	405	134	132	44		m	4/51	L1	TO
996	41	293	313	554	610	332	285	280	410	139	145	44	8/18	f	4/51	L1	TO

Table 29. Bigeye from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Inf. Ventral to Axil. Edge Vert.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1013		306	319	556	639	347	305	279	342	154	155	47			6/50	L1	BMS
1015	45	300	322	571	627	337	291	280	416	155	155	43			4/51	L1	TO
1058		313	326	578	640	357	302		354	179	175	46			7/50	L1	BMS
1059		322	326	582	667	371	311		351	170	169	47			6/50	L1	BMS
1062		313	321	577	645	361	298		372	167	172	47			7/50	L1	BMS
1063		315	332	578	656	358	312		350	191	180	47		f	7/50	L1	BMS
1065		318	340		656	359	303		338	177	173	45			7/50	L1	BMS
1072		319	327	581	645	358	292		356	175	169	47			7/50	L1	BMS
1081		327	346	596	667	371	313	304	374	176	165	48			6/50	L1	BMS
1121		341	346	600	700	379	335		350	191	199	46			6/50	L1	BMS
1137		341	357	619	612	385	339	322	383	200	192	49			12/50		KE
1140		338	356	621	705	380	358		355	203	195	50			7/50	L1	BMS
1141		337	355	632	699	375	351	325	360	184	183	44			12/50		KE
1157		342	350	635	711	400	345	312	366	175	172	48			12/50		KE
1160	76	340	361	647	704	375	347	345	359	216	190	49	8/18	m	4/51	L1	TO
1165		344	355	635	705	374	327	325	341	179	179	49		m	4/51	L1	TO
1190		353	343	629	740	432	339	320	316	186	196	49			12/50		KE
1206		360	378	662	734	402			354	199	183	53			7/50	L1	BMS
1218		355	366	656	738	410	350	339	372	196	190	50			6/50	L1	BMS
1219		360	372	675	739	405	349	352	352	197	192	50		m	4/51	L1	TO
1222		356	374	669	742	398	362		351	183	190	53			7/50	L1	BMS
1229		364	366	656	737	401	352		343	222	212	54			7/50	L1	BMS
1238		356	382	650	739	403	353		334	196	218	53			7/50	L1	BMS
1243	99	361	374	680	749	400	360	336	331	202	178	51		f	4/51	L1	TO
1257		371	380	675	762	413	366	358	360	198	209	51			6/50	L1	BMS
1261		372	389	673	754	414	357	351	358	223	217	53			7/50	L1	BMS
1268		371	383	685	768	423	369	354	332	209	195	53			12/50		KE
1272		359	372	685	767	397	387	354	339	196	201	50		m	4/51	L1	TO
1273	101	373	389	698	771	401	379	358	351	207	203	53	8/18	f	4/51	L1	TO
1285		372	387	692	776	416	383	356	357	208	203	54		m	7/50	L1	BMS

Table 29. Bigeye from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Area
1285	105	386	377	691	781	460	359	378	346	188	198	55		m	4/51	LL	TO
1294	91	374	405	713	779	415		377	376	216	209	51		m	4/51	LL	TO
1309	95	373	406	686	775	412	381	359	350	204	199	50		f	4/51	LL	TO
1319	120	391	401	716	803	432	367	359	367	226	223	54		m	4/51	LL	TO
1334	107	382	393	709	795	422	380	372	359	197	213	54		m	4/51	LL	TO
1344		391	403	722	799	428	379	373	389	230	216	55		m	4/51	LL	TO
1355		395	412	722	822	451	377	397	350	209	213	55			4/51	LL	TO
1356	120	386	410	734	811	421	415	398	344	202	205	57		m	4/51	LL	TO
1362		392	425	733	796	427	383		331	201	190	57		m	7/50	LL	BMS
1369		393	420	724	824	434	409		365	222	223	53			7/50	LL	BMS
1373		395	416	752	821	447	385	384	351	228	220	52		m	4/51	LL	TO
1384		412	415	746	828	459	387		338	225	217	59		m	7/50	LL	BMS
1386	128	402	415	746	847	442	426	415	347	228	206	55	8/18	f	4/51	LL	TO
1391	116	404	430	765	825	440	396	380	354	245	244	53		m	4/51	LL	TO
1397		387	422	741	814	438	393		383	227	241	53			7/50	LL	BMS
1412		400	416	759	846	462	409	397	354			54		m	4/51	LL	TO
1427	130	408	429	756	840	450	408	403	361	239	228	55		m	4/51	LL	TO
1430	132	403	431	767	852	436	424	396	347	216	211	56		m	4/51	LL	TO
1436		412	435	781	851	459	413	416	374	227	243	56		m	4/51	LL	TO
1447		404	440	789	850	447	410	400	374	233	233	53		m	4/51	LL	TO
1450	149	418	448	786	868	468	426	428	367	250	243	58		f	4/51	LL	TO
1457		420	443	784	863	461	416	406	365	257	257	58		m	4/51	LL	TO
1485		419	442	794	878	464	420	416	373	265	251	50		m	4/51	LL	TO
1486		422	446	809	891	498	413	456	359	246	245	60		m	4/51	LL	TO
1492	137	418	439	796	861	465	429	440	337	233	228	58		m	4/51	LL	TO
1503		423	441	781	889	481	433	425	362	247	246	55			6/50	LL	BMS
1510		412	434	796	891	457	458	417	388	251	248	57		m	4/51	LL	TO
1526		428	443	815	910	476	444	425	371	245	243	53		m	4/51	LL	TO
1535		441	458	813	920	471	462	417	366	246	237	59		m	4/51	LL	TO
1547	175	430	469	839	919	486	456	419	362	242	249	54		m	4/51	LL	TO

Table 29. Bigeye from the Western Equatorial Pacific: Central Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1547	174	431	447	823	923	474	475	442	381	289	278	53	8+18	m	4/51	Ll	TO
1554		427	439	838	922	473	467	416	344	265	259	53		m	4/51	Ll	TO
1565	165	435	453	851	927	484	464	447	375	272	264	55			4/51	Ll	TO
1578		444	473	853	922	485	455	418	369	269	254	57		m	4/51	Ll	TO
1594	176	450	481	863	943	508	455	449	374	224	269	58		m	4/51	Ll	TO
1597		457	468	838	979	532	457	452	378	266	231	56			6/50	Ll	BMS
1614	218	444	468	840	939	504	457	438	382	248	248	64		m	6/50	Ll	BMS
1615	193	442	479	868	949	488	492	472	366	248	243	58		m	4/51	Ll	TO
1617		449	465	867	963	503	463	426	359	252	242	55			4/51	Ll	TO

Table 30. Bigeye from the Western Equatorial Pacific: Western Carolines

401		115	127	225	258	129		104	116	36	39	20	8+18	m	5/48		ORS
407		115	131	233	251	128		104	118	38	35	21	9+21		5/48		ORS
407	2	117	129	228	250	131		102	113	36	36	21	9+21	m	5/48	Tr	ORS
518	6	152	165	290	316	170		138	165	57	56	28	9+20		5/48		ORS
534		154	166	297	324	170		133	161	62	65	28	10+19	f	5/48		ORS
549		156	171	305	337	179		140	171	63	62	27	9+19	m	5/48		ORS
563	7	164	176	312	347	182		147	162	66	63	28	10+20	f	5/48		ORS
576		182	201	330	364	199	162	155	239	72	69	32		m	3/51	Ll	TO
666	11 1/2	180	204	359	391	209		173	203	84	62	30	9+20	m	5/48	Tr	ORS
673	12	190	206	370	403	206		173	210	86	92	31	10+20	f	5/48	Tr	ORS
681		216	226	393	421	227	196	193	259	85	82	36		f	3/51	Ll	TO
682	13	192	209	370	400	209		177	205	86	93	31	9+21	f	5/48	Tr	ORS
689	12	194	212	371	410	215		172	218	92	96	29	9+20	m	5/48	Tr	ORS
691	13 1/2	196	219	377	413	217		182	224	91	95	31	9+21	m	5/48	Tr	ORS
721	16	206	222	393	429	233		190	220	93	98	34	8+20	f	5/48	Tr	ORS
742	18	199	218	392	429	223	211	171	240	109	114	30		f	3/51	Ll	TO
878	26	240	259	462	510	242		216	266	147	149	33	9+20	m	4/48		ORS
878	26 1/2	236	267	467	516	267		214	276	147	157	33	10+21	m	4/48		ORS
1165	80	348	375	643	709	385	331	325	358	126	175	52		m	3/51	Ll	TO
1168	77	350	363	643	726	389	345	311	349	160	169	55		f	3/51	Ll	TO

Table 30. Bigeye from the Western Equatorial Pacific: Western Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Length 2nd Anal	Max. G.T. Ratio	Sex	Date	Gear	Port
1201	85	353	363	649	729	392	351	330	341	179	188	54		f	3/51	LL	TO
1263		364	377	690	776	412	370	350	347	211	203	46			3/51	LL	TO
1290	98	384	376	697	798	454	365	361	348	197	205	53			12/50		KE
1307		384	405	713	801	439	383	377	337	208	201	55			12/50		KE
1310		373	383	691	809	461	373	336	362	219	223	51			12/50		KE
1339	110	378	387	718	805	426	390	372	355	213	216	53			12/50		KE
1352		390	409	726	820	450	399	398	361	200	201	45			3/51	LL	TO
1387	120	405	418	742	844	449	413	396	354	244	230	53			12/50		KE
1388	116	411	410	753	855	462	418	379	340	206	215	62			12/50		KE
1389	107	405	413	758	837	463	398	383	347	226	235	61			12/50		KE
1439	132	411	427	776	875	456	428	387	379	248	234	54			12/50		KE
1463	135	426	438	783	883	495	434	425	370	249	254	55			12/50		KE
1492	152	414	463	817	917	472	457	411	363	216	223	57			3/51	LL	TO
1593		460	470	866	981	545	475	453	381	255	233	67			12/50		KE

Table 31. Bigeye from the North Central Pacific: Hawaiian Islands

356	1.9	102	113	203	228	119	110	97	87	32	27	20	10/20		2/52	Pl	WMM
485	5 5	140	155	272	300	162		131	138	51	54	28			4/49	Tr	FCJ
494	6	156	173	290	324	175		143	167	54	50	29	9/18	m	5/49		FCJ
500	6	156	173	293	326	180		151	178	46	45	29	8/19	f	3/49	Tr	FCJ
513	6.5	165	168	291	340	193		148	189	60	60	32	9/18	f	8 49	Pl	HBE
513	7	165	175	298	331	184		151	170	59	50	32	8/18	m	4/49	Pl	KY
534	8	171	178	309	327	192		160	193	62	59	33	9/19	m	8/49	Pl	HBE
538	$7\frac{1}{2}$	168	182	312	344	195		160	200	63	61	34	10/19	m	8/49	Pl	HBE
539	7	167	188	318	349	186		160	178	54	49	29	8/18	m	3/19	Tr	FCJ
542	8	171	187	317	344	192		157	202	64	60	29	10/19	f	8/19	Pl	KY
553	8	175	183	321	359	205		167	205	65	61	32	9/19	f	8/49	Pl	HBE
564	8	175	189	325	367	202		165	218	62	51	30	8/18	m	3/49	Tr	FCJ
571	9.5	181	195	337	382	204			209	72	59	31			3/49	Tr	FCJ
580	9	184	201	341	372	206		173	206	65	58	33	9/18	m	5/49		FCJ
678	$15\frac{1}{2}$	209	227	394	427	237		197	249	87	80	37	9/19		8/49	Pl	HBE

Table 31. Bigeye from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Fork Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Pectoral Rays	Pelvic Rays	Sex	Gill Rakers 1st Arch	Gear	Examiner
681	16	214	230	393	439	243		208	206	61	56	14	I/16	f	8/49	Pl	HBE
704	17	223	235	390	440	244		198	270	71	83	37	I/19	f	8/49	Pl	HBE
710	16	222	231	401	446	250		205	267	90	61	36	I/17	f	8/49	Pl	HBE
793	23	249	259	446	506	276		223	327	109	100	38	I/17		5/49	Ll	FCJ
834	29	258	271	476	532	292		240	320	106	104	38	I/18		2/49		FCJ
838	28	262	272	472	540	303		240	320	101	92	39	I/19		3/49	Ll	FCJ
890	34	278	292	505	564	315		264	339	118	109	42			3/49	Tr	FCJ
907	34	280	294	513	569	317		269	344	132	113	42	I/18	f	3/49	Tr	FCJ
921	41	284	303	542	585	320		265	341	130	125	42	I/18		11/49	Ll	JWR
954	40	286	306	532	596	325		280	345	133	142	41	I/18	m	8/49	Pl	HBE
955	40	290	308	544	595	320	282	277	324	134	130	38	I/18	f	10/52		TO
965	43	290	312	530	586	329		270	306	137	136	43	I/18	m	5/49	Ll	JWR
1017	54	302	323	578	632	341	303	299	386	166	153	44	I/17	m	10/52		TO
1052	58	318	332	582	653	361		297	360	182	160	45	I/18		6/49	Ll	KY
1076	61	325	314	570	672	396		300	302	166	151	45	I/18		10/49	Ll	JWR
1115	64	335	337	618	691	381		309	346	167	163	46	I/18		2/49	Ll	FCJ
1181	77	351	367	644	728	398		325	344	172	171	43	I/18		8/49	Ll	HBE
1253	92	362	378	680	762	426		366	346	192	197	49	I/18		3/49	Ll	FCJ
1256	92	374	388	693	780	423		353	351	174	187	48			3/49	Ll	FCJ
1258	90	378	395	690	764	423		337	362	190	171	48	I/19		5/49	Ll	FCJ
1263	97	365	372	682	760	409		368	398	175	181	48	I/18	m	2/49	Ll	FCJ
1269	99	371	391	691	789	414		346	368	201	191	47			3/49	Ll	FCJ
1274	99	371	385	680	770	425		345	337	190	180	47	I/17		7/49	Ll	KY
1274	103	369	391	697	786	412		348	379	207	201	47	I/19		5/49	Ll	KY
1283	105	381	400	710	789	426		354	348	208	192	49	I/18	f	4/49	Ll	FCJ
1290	100	377	398	699	780	423		340	362	206	203	48	I/17		6/49	Ll	KY
1291	98	378	386	706	810	420		322	347	192	182	50	I/19		3/49	Ll	FCJ
1292	109	380	390	711	810	437		367	361	208	202	48	I/18	f	5/49	Ll	KY
1293	109	386	389	709	805	430		370	367	197	190	49	I/16	m	4/49	Ll	FCJ
1296	99	370	388	704	794	424		361	387	195	195	49	I/16	f	5/49	Ll	FCJ

Table 31. Bigeye from the North Central Pacific Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill Rakers	Sex	Month and Year	Gear	Engineer
1297	101	373	388	696	794	431		351	384	210	205	44	8/18		5/49	L1	FCJ
1298	110	383	398	706	809	439		362	355	194	185	47	8/18		5/49	L1	FCJ
1302	105	392	401	712	804	436		363	332	215	212	50	11/19	f	7/49	L1	HBE
1306	109	379	402	706	785	431		385	370	237	236	55	8/17		6/49	L1	KY
1310	91	385	405	704	821	429		362	351	173	179	50	8/19		3/49	L1	FCJ
1311	115	381	396	717	802	443	395	377	362	213	200	47	8/18	f	8/51	L1	III
1314	105	372	409	714	782	423	378	385	375	213	206	50	9/18	m	10/52		TO
1316	103	385	399	707	791	430		363	377	190	196	48	8/19		5/49	L1	FCJ
1324	105	376	393	716	799	419		350	364	204	191	48	8/18		5/49	L1	FCJ
1324	115	389	393	721	807	436		389	358	201	209	50	8/17		7/49	L1	HBE
1329	107	380	409	716	794	427		346	362	202	202	49	8/18		5/49	L1	KY
1332	108	390	425	736	815	444		361	367	208	206	51	9/19		7/49	L1	HBE
1333	110	387	406	719	811	440		350	348	214	207	48	9/19	f	6/49	L1	KY
1333	121	388	399	730	821	441		393	358	206	207	51			4/49	L1	FCJ
1335	114	398	414	727	830	434		366	388	204	213	51	11/19	m	5/49	L1	HBE
1336	113	382	394	718	802	425		361	349	212	204	49	8/18		6/49	L1	KY
1336	114	384	400	715	806	429		344	356	220	215	50	8/18		7/49	L1	HBE
1339	107	394	408	730	820	446		355	355	205	196		9/20		5/49	L1	KY
1341	116	392	404	738	813	438		366	344	179	201	48	9/18		3/49	L1	FCJ
1343	116	384	399	727	810	437		369	369	201	217	52	9/18	f	4/49	L1	FCJ
1343	116	385	410	722	822	427		362	378	204	202	49			5/49	L1	HBE
1345	120	394	420	738	805	427	403	404	343	240	225	47		m	10/52		TO
1347	104	394	416	726	813	440		356	358	220	218	50	8/18		6/49	L1	HBE
1352	119	394	413	740	819	436	402	395	373	218	176	49	9/18	m	10/52		TO
1353	124	393	416	732	828	451		393	372	214	214	52	9/18		6/49	L1	KY
1355	116	381	415	726	810	423		362	378	200	219	52	8/17		7/49	L1	HBE
1355	118	389	422	740	818	427		385	350	207	203	50	9/19		7/49	L1	HBE
1356	124	396	417	743	829	444		389	369		213	50	9/18		4/49	L1	FCJ
1356	127	390	426	740	811	437		396	367	206	207	50	9/19	m	4/49	L1	KY
1372	118	383	399	721	827	438		365	345	204	212	50			5/49	L1	KY

Table 31. Bigeye from the North Central Pacific Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1375	110	401	418	746	845	447		366	344	200	194	49	9+18		5/49	LL	FCJ
1376	114	389	416	736	816	439		365	374	233	226	52	8+18		7/49	LL	HBE
1381	129	394	419	751	834	443		386	372	226	218	49	9+17		6/49	LL	KY
1387	122	400	414	742	841	455		362	356	215	208	52	8+21		7/49	LL	HBE
1389	120	406	422	753	835	472		394	387	214	202	51			5/49	LL	KY
1393	125	391	412	732	823	443		364	385	229	226	51	8+17		6/49	LL	KY
1397	130	410	408	741	847	489	397	391	361	221	229	52		f	6/49	LL	HBE
1400	127	400	425	762	844	448		377	369	226	214	52			4/49	LL	FCJ
1413	121	408	424	758	852	456		365	362	229	232	54	8+18		6/49	LL	KY
1416	123	410	432	755	831	457		399	367	212	202	48	8+19	m	6/49	LL	KY
1417	131	400	428	758	839	449		376	380	237	226	50	8+18		7/49	LL	HBE
1429	139	411	430	770	867	453		388	371	239	232	54	8+18		6/49	LL	HBE
1433	138	406	439	780	871	461		407	372	235	223	51	8+18		6/49	LL	KY
1436	139	420	428	756	865	469		383	352	235	232	59	8+18		7/49	LL	HBE
1447	147	423	433	776	871	481		387	380	222	223	52	9+18		7/49	LL	HBE
1448	139	400	424	772	867	450		387	364	207	221	52	9+18	f	5/49	LL	FCJ
1449	133	421	432	791	876	484		403	387	220	221	55	9+18		4/49	LL	FCJ
1450	140	419	436	776	866	482		373	375	246	223	52	9+18		7/49	LL	HBE
1450	141	413	431	780	861	463		387	366	228	247	50	8+18		6/49	LL	KY
1452	144	412	436	776	874	468		372	381	222	228	53	9+18	f	7/49	LL	KY
1455	143	423	433	782	878	490		414	380	237	237	53	8+21	m	4/49	LL	KY
1455	149	441	444	780	869	468		397	367	225	219	53	9+18		7/49	LL	KY
1455	157	426	439	787	868	480		396	405	261	258	55	9+18		7/49	LL	HBE
1458	149	416	430	789	880	465		393	351	228	255	50	9+18		6/49	LL	KY
1469	145	430	451	797	879	483		386	361	245	231	50	9/18	f	7/49	LL	HBE
1471	159	437	447	795	873	483		409	358	250	236	58	8+18	m	7/49	LL	HBE
1475	145	420	452	800	882	483		391	377	227	245	51	9+18	m	7/49	LL	KY
1476	163	422	426	779	874	475			381	226	220	54		m	5/49	LL	HBE
1478	139	426	432	790	882	495		394	378	236	238	51	8+18		6/49	LL	KY
1487	143	426	437	800	900	479		379	385	229	226	52	9+17		7/49	LL	FCJ

Table 31. Bigeye from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1487	160	422	455	793	896	477		420	367	209	207	55	8/18	m	3/49	L1	FCJ
1490	149	424	444	802	914	486		412	365	219	232	55	9/19		5/49	L1	KY
1490	150	420	438	790	899	479		400	353	236	222	53	9/19		5/49	L1	KY
1491	142	421	440	783	881	466		372	371	241	216	50	9/19		5/49	L1	HBE
1506	155	437	460	825	915	483		395	353	225	237	55	9/18	m	4/49	L1	FCJ
1506	157	443	456	799	910	484		370	361	250	245	57	8/19		6/49	L1	HBE
1506	164	424	451	792	886	474		418	370	232	246	53	9/18	f	5/49	L1	KY
1508	157	440	462	814	903	494		389	375	228	228	51	7/18	f	6/49	L1	KY
1509	154	429	451	820	919	487		391	372	248	239	54	9/19		5/49	L1	HBE
1514	172	428	456	809	922	481		426	370	237	234	55	9/18	m	5/49	L1	HBE
1518	165	438	446	800	917	496		427	381	248	241	58	8/18		7/49	L1	HBE
1521	162	429	451	819	911	487		401	370	231	232	58	8/18		7/49	L1	HBE
1527	173	440	450	826	917	490		422	365	245	235	54	9/18		4/49	L1	FCJ
1533	181	443	463	816	919	486		442	356	232	246	53	8/19		7/49	L1	HBE
1537	173	424	455	817	901	480		400	394	249	241	56	9/18		7/49	L1	KY
1538	146	432	459	815	913	491		395	393	[illegible]	255	58	9/18		6/49	L1	HBE
1540	171	429	450	817	919	482		435	370		239	53			4/49	L1	FCJ
1543	176	448	463	835	926	507		435	403	261	270	55	8/18		6/49	L1	HBE
1544	160	433	470	837	909	479	446	417	386	225	223	53	9/18	f	10/52	L1	TO
1547	184	451	468	818	938	493		445	388	267	262	55		f	5/49	L1	HBE
1548	176	439	476	829	935	484		428	390	260	256	55	8/19	m	5/49	L1	KY
1550	155	436	441	823	919	506		413	395		227	54	7/17		7/49	L1	HBE
1550	162	439	449	817	912	491		411	385	254	253	57	8/20		5/49	L1	KY
1551	168	447	466	836	938	502		414	382	256	265	56	9/19		6/49	L1	KY
1551	170	433	471	821	937	503		412	382	250	202	54	8/18		6/49	L1	KY
1551	171	450	463	837	953	520		406	403	239	231	50	9/18		4/49	L1	KY
1554	168	439	458	826	925	489		404	393	239	244	54	10/19	m	5/49	L1	HBE
1558	218	440	478	844	930	490	465	470	375	240	236	57	8/19	f	10/52	L1	III
1559	173	444	471	852	926	491		412	395	247	246	53	8/18		6/49	L1	HBE
1566	202	440	457	820	935	488		453	371	257	253	59	8/18	f	7/49	L1	HBE

Table 31. Bigeye from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1572	194	471	479	855	961	519		442	381	257	244	61	8+18		5/49	L1	FCJ
1576	168	439	451	816	923	489		428	388	266	249	56	9+17		5/49	L1	KY
1576	197	459	470	837	939	527	452	446	373	275	253	57		f	8/51	L1	III
1581	200	440	465	839	949	495		445	378	217	236	54			4/49	L1	KY
1582	175	441	467	839	934	503	475	445	377	276	283	54	8+18	m	7/50	Tr	KY
1584	176	445	477	827	923	509		451	374	254	247	57	9+18		7/49	L1	HBE
1585	194	444	485	865	984	497		427	380	217	222	60	9+18	f	3/49	L1	FCJ
1586	178	460	478	843	953	530		454	375	229	236	57	9+18		5/49	L1	HBE
1588	199	462	481	849	972	516		427	392	234	244	58	8+17		6/49	L1	HBE
1590	176	447	474	850	938	498		411	366	248	267	57	10+20		6/49	L1	KY
1590	181	439	460	825	938	492		417	399	265	264	55	10+18		5/49	L1	KY
1601	179	460	479	855	948	505		457	345	259	246	59	8+17		7/49	L1	HBE
1603	179	466	475	867	956	508		413	383	250	250	54	9+19		5/49	L1	KY
1605	200	440	461	849	941	500		448	372	257	255	53			4/49	L1	KY
1607	195	459	486	866	956	505		417	396	258	263	58	9+19		7/49	L1	HBE
1611	195	472	510	884	970	528		436	387	228	239	68			2/49	L1	FCJ
1611	200	473	460	857	962	535	479	478	382	264	272	56		m	8/51	L1	III
1612	189	454	470	872	978	503		418	375	253	256	59	9+18	m	6/49	L1	FCJ
1618	191	447	476	873	963	506		453	394	232	224	54	9+18	m	4/49	L1	KY
1619	191	452	484	864	971	509		405	383	245	241	57	9+18		6/49	L1	KY
1621	209	463	490	881	967	513		443	381	262	244	60	7+19	f	3/49	L1	FCJ
1622	197	460	483	870	972	514		425	395	247	225	58	8+19	f	3/49	L1	FCJ
1623	173	463	460	851	959	515		420	405	250	240	54	9+18	m	6/49	L1	FCJ
1624	223	464	485	900	970	522	474	489	372	249	250	56	9+18	f	10/52	L1	TO
1629	191	462	481	864	967	517		420	373	280	280	57	8+18		5/49	L1	KY
1630	183	450	481	877	969	509		416	369	259	254	56	9+17		5/49	L1	FCJ
1636	208	485	504	890	993	539		426	372	258	251	57	9+20	f	6/49	L1	KY
1637	185	455	482	870	959	502		430	387	239	235	58	9+18		5/49	L1	HBE
1644	208	453	483	861	966	499		429	405	259	245	56	9+19		5/49	L1	KY
1646	203	454	497	863	974	501		421	362	245	265	55	8+19		6/49	L1	KY

Table 31. Bigeye from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1654	202	472	497	867	958	521		437	371	279	273	56	8/18		7/49	L1	KY
1655	225	462	498	895	980	509	489	476	372	241	229	57	9/18	f	10/52		TO
1655	232	482	507	889	1015	530		444	398	275	271	60	8/18		6/49	L1	KY
1656	215	481	494	873	993	529	498	475	412	284	283	55	8/18	m	8/51	L1	III
1663	222	476	502	893	993	545		462	416	296	276	57	8/18		7/49	L1	HBE
1664	195	449	464	863	978	513		434	396	259	260	56			5/49	L1	KY
1664	216	475	485	881	1000	532		424	387	252	263	57	8/18	f	7/49	L1	HBE
1665	202	470	510	884	999	526		427	380	271	261	62	9/18	m	5/49		KY
1665	224	469	506	878	968	523		464	385	220	232	52			4/49	L1	KY
1667	222	474	486	875	987	532		448	387	273	201	60	8/19		7/49	L1	HBE
1673	200	493	484	890	1001	554	475	458	389	301	295	56		m	8/51	L1	III
1675	222	478	507	906	1017	539		463	416	279	287	59	8/18	m	7/49	L1	KY
1679	198	475	487	875	1006	539		427	383	254	332	57	7/19	m	5/49	L1	FCJ
1684	229	477	512	888	985	523		451	414	286	291	58	8/18		7/49	L1	KY
1688	230	492	517	928	1019	541		459	397	246	257	61	9/18		4/49	L1	FCJ
1693	241	484	508	901	1012	545		464	405	277	283	56	9/19		6/49	L1	KY
1693	245	477	508	912	1010	542		479	412	281	269	57	9/19		3/49	L1	FCJ
1695	224	482	499	908	1010	535			383	249	249	55	8/18		7/49	L1	HBE
1696	223	480	495	908	1003	531		458	400	270	268	59	8/18		7/49	L1	HBE
1698	211	466	485	873	987	515		439	390	258	244	59	9/19		6/49	L1	KY
1699	220	476	494	892	991	523		456	410	258	275	53	8/18		7/49	L1	HBE
1701	239	485	506	901	1022	542		463	403	276	256	55	8/18		6/49	L1	KY
1702	214	489	502	879	1022	554		455	384	274	266	59	8/18		6/49	L1	KY
1704	238	480	496	922	1019	530	503	462	363	262	242	53	8/21	f	8/51	L1	III
1705	239	479	506	908	1018	542		497	391	241	241	57			3/49	L1	FCJ
1707	200	474	495	897	1005	538		446	401	269	258	59	7/19	f	6/49	L1	KY
1707	221	476	479	876	1011	539		456	386	310	282	57	8/18		6/49	L1	KY
1708	203	479	495	874	992	541		449	405	262	258	60	8/18	m	7/49	L1	HBE
1710	220	470	496	886	993	532		461	412	283	267	56	10/18		7/49	L1	KY
1711	223	492	503	901	1030	547		464	385	265	257	63			5/49	L1	HBE

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Table 31. Bigeye from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1713	220	467	473	894	1013	524		488	388	242	240	58	8/19		6/49	L1	HBE
1713	241	483	514	929	1020	528		452	387	288	255	57	9/18		7/49	L1	KY
1714	229	486	489	893	1005	548		477	382	272	268	60	7/18		7/49	L1	JWR
1715	239	492	503	895	1013	571		505	414	284	272	57	8/19	m	7/49	L1	HBE
1718	230	481	497	877	1013	545		437	374	260	258	57	8/19		7/49	L1	HBE
1718	260	485	496	901	1005	539	492	498	390	261	262	56	9/18	m	10/52		TO
1722	230	482	511	903	1012	542		457	384	251	272	60	9/19		7/49	L1	HBE
1724	240	503	519	912	1039	561		483	368	295	283	63	9/19	m	5/49		KY
1726	216	482	514	902	1007	547		458	392	274	267	56	10/18		7/49	L1	HBE
1729	240	498	503	926	1030	570	502	495	400	281	276	57		m	8/51	L1	III
1730	239	477	500	913	995	530		475	390	255	262	56	8/18	m	6/49	L1	KY
1732	209	456	470	871	998	522		425	395	261	258	55	9/18		5/49	L1	KY
1732	232	472	501	917	1008	518	512	499	406	287	249	57	9/18	m	10/52		TO
1734	233	479	493	913	1024	536		466	382	281	268	61	9/18	m	6/49	L1	KY
1735	216	502	517	910	1020	566		460	398	280	269	55	9/18	m	7/49	L1	KY
1737	231	485	512	928	1023	541		466	384	277	268	58	8/19		7/49	L1	HBE
1738	241	489	508	914	1040	543		440	420	291	252	61	9/19		5/49	L1	KY
1740	216	471	498	894	1000	533		450	383	258	258	57	8/19	m	6/49	L1	KY
1742	234	475	503	909	1019	544		465	409	294	294	57	8/18	m	6/49	L1	KY
1743	220	471	508	916	1020	532		468	406	304	301	58			5/49		KY
1743	270	502	500	917	1015	571	468	491	402	259	245	49	9/21	m	8/51	L1	III
1746	252	504	500	932	1059	547		466	408	266	257	63	10/18	m	4/49	L1	FCJ
1747	253	499	516	926	1063	560		471	394	278	276	64	10/19		6/49	L1	KY
1748	230	478	488	895	1020	532		455	386	275	273	59	8/18		7/49	L1	KY
1749	256	503	504	924	1049	565		478	397	286	288	61	9/19	m	6/49	L1	KY
1752	235	421	512	921	1061	539		459	378	273	276	58	7/18		6/49	L1	HBE
1755	245	502	510	919	1036	557	508	463	377	277	264	62	9/18	m	8/51	L1	III
1757	230	502	509	925	1045	564		443	378	267	268	60			6/49	L1	HBE
1758	222	497	517	918	1025	560		470	368	280	273	61	9/19	m	6/49	L1	KY
1759	234	487	506	908	1020	548		464	406	295	283	62	9/19	f	5/49	L1	KY

Table 31. Bigeye from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1765	251	508	541	938	1051	570		504	382	290	283	65	9+18	m	4/49	L1	FCJ
1767	235	497	518	939	1042	562		440	397	249	249	57	8+19	m	6/49	L1	HBE
1768	241	500	516	920	1037	559		463	398	290	299	60	8+19		6/49	L1	HBE
1770	254	500	524	930	1048	562		463	389	267	273	63	9+18	m	6/49	L1	KY
1773	265	495	517	920	1032	547		457	399	281	309	57	8+18		6/49	L1	KY
1775	253	504	529	953	1064	555		466	371	254		58	8+19		6/49	L1	KY
1791	261	517	532	910	1066	568		489	425	310	309	62	8+17	m	7/49	L1	HBE
1795	261	500	518	932	1035	560		490	402	283	287	62	8+19	m	7/49	L1	HBE
1800	276	515	536	957	1062	571		517	409	284	285	62	9+18	m	8/49	L1	HBE
1801	229	497	505	911	1032	560		446	391	261	270	57	8+19		7/49	L1	KY
1801	321	509	547	967	1093	574		500	440	302	302	57	8+19		10/49	L1	JWR
1806	271	503	527	936	1054	566		509	402	282	276	61	8+19	m	8/49	L1	HBE
1807	270	503	516	931	1050	561		479	412	305	298	60	9+19		8/49	L1	HBE
1812	257	500	510	939	1046	555		485	403	283	291	60	8+18	m	7/49	L1	KY
1813	253	517	512	945	1073	589		503	408	307	285	61	9+18		7/49	L1	HBE
1814	264	499	541	956	1054	559		471	408	279	273	65	9+18		7/49	L1	HBE
1818	267	510	524	949	1081	565		484	396	269	271	62	8+18	f	6/49	L1	KY
1833	294	515	542	980	1090	566		509	388	282	274	59	9+18	m	8/49	L1	HBE
1837	267	511	547	956	1069	561		463	406	315	300	58	9+18		5/49	L1	HBE
1842	332	507	541	949	1060	561		544	414	295	305	63	8+17	m	10/49	L1	KY
1843	255	511	521	957	1093	570		464	391	281	262	60	9+19	f	5/49	L1	KY
1850	292	522	536	974	1084	571		535	393	293	283	61	8+17	m	9/49	L1	HBE
1880	274	520	546	988	1090	575		499	406	301	292	61	9+18		5/49	L1	KY
1883	309	525	542	982	1107	588		517	398	302	279	60	9+18	m	9/49	L1	HBE
1891	300	534	555	985	1119	595		534	408	294	299	66	8+18	m	9/49	L1	HBE
1947	335	550	550	992	1135	625	556	558	421	308	285	59	8+18	m	8/51	L1	III

Table 32. Bigeye from the Northwestern Pacific: Japan

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
520	2.7	166	175	296	331	182		150	180	65	57	22	9/20		5/49	P1	BMS
523	2.6	165	173	303	337	183		149	197	65	57	32	9/20		5/49	P1	BMS
531	2.7	167	179	305	338	186		151	216	64	59	31	9/18		5/49	P1	BMS
545	3.0	173	181	319	351	190		152	201	63	58	33	9/19		5/49	P1	BMS
719	16	223	232	417	471	255		198	255	80	71	35			2/49	L1	FCC
1491		424	441	809	896	477		421	364	202	215	56			1/49	L1	FCC

Table 33. Albacore from the Eastern Equatorial Pacific: 120° West Longitude

969	47	286	321	572	619	325	304	257	430	127	123	47	7/20	f	10/52	L1	TSH

Table 34. Albacore from the Central Equatorial Pacific: 140° West Longitude

921	38	267	281	526	580	303	293	250	400	110	109	44		f	8/52	L1	RS

Table 35. Albacore from the Central Equatorial Pacific: Eastern Line Islands

917	39	267	304	542	593	310	289	236	415	124	119	46		f	9/51	L1	TC
944	41	276	301	546	597	313	291	237	406	116	110	46	9/20	f	11/52	L1	III
954	41	280	316	566	603	318	286	243	409	105	105	51	9/20	f	2/52	L1	
961		284	313	565	615	317	300	252	420	114	116	50	9/21	m	2/52	L1	
961	43	275	312	560	604	307	295	247	434	121	118	49	8/20	f	2/52	L1	
979	43	290	311	563	615	332	296	258	428	124	119	49		f	9/51	L1	III
979	47	283	320	563	622	236	300	259	424	120	115	45		m	9/51	L1	III
992	48	280	309	560	619	335	299	252	421	128	123	46		m	9/51	L1	III
993	49	290	336	590	631	327	305	267	452	125	131	46	9/20	m	2/52	L1	
1004	48	294	329	594	628	327	307	262	433	117	113	58	8/19	m	2/52	L1	
1041	51	307	327	589	656	361	314	272	437	135	126	48		m	9/51	L1	III
1042	51	304	333	599	650	351	314	267	427	133	126	48		m	9/51	L1	TC

Table 36. Albacore from the Central Equatorial Pacific: Phoenix Islands

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iri.	No. Gill Rakers	Sex	Month and Year	Gear	Examined
892	35	265	288	518	562	291	276	233	381	107	104	43	8≠20	f	3/52	L1	TO
894	37	262	296	517	563	297	270	232	415	111	105	44	8≠20	f	11/52	L1	III
903	34	271	293	524	577	299	282	235	396	115	113	45	8≠21	f	3/52	L1	TO
905	35	267	290	529	571	306	273	234	394	102	101	43	7≠19	f	3/52	L1	RS
906	37½	258	293	534	579	295	290	247	396	104	103	42	9≠20	f	3/52	L1	RS
907	34½	266	299	526	566	296	271	232	408	115	115	45	9≠20	f	3/52	L1	TO
911	38	269	298	532	577	303	280	246	404	115	113	46	8≠19	f	3/52	L1	RS
912	35	269	296	525	572	302	274	240	403	107	106	43	8≠20	f	11/52		TO
919	35½	268	299	540	586	301	288	238	383	103	107	45	9≠21	f	3/52	L1	TO
925	37	265	294	534	573	299	279	250	382	112	109	46	8≠20	f	3/52	L1	TO
933	38	269	302	539	584	301	286	242	395	114	116	45	8≠20	f	11/52		TO
935	40	281	311	546	591	319	279	252	421	105	108	48	9≠21	f	3/52	L1	RS
942	38	265	305	549	591	305	291	245	428	114	109	44	8≠19	m	3/52	L1	TO
948	40	277	311	560	605	314	292	243	431	121	120	48	9≠21	f	11/52	L1	TO
952	38½	275	302	548	597	313	291	242	412	114	108	46	9≠21	f	3/52	L1	TO
963	39	284	302	553	601	312	293	244	431	120	116	48	8≠19	m	11/52	L1	III
967	42½	286	313	557	611	316	299	254	440	126	123	44	9≠20	m	3/52	L1	
994	46	291	317	569	620	329	297	250	418	122	122	47	8≠20	m	11/52		TO
1012	45	293	326	588	633	328	311	259	450	126	125	46	9≠20	m	3/52		RS
1040	44	329	597	645	340		312	275	432	127	126	49	9≠22	m	3/52	L1	RS

Table 37. Albacore from the Western Equatorial Pacific: Eastern Marshalls

[illegible]	25	241	267	487	524	271	255	200	390	99	98	42	9≠21	m	2/52	L1	GIM
[illegible]0	27	249	282	485	528	278	257	217	368	100	98	41	9≠20	m	2/52		RS
848	30	252	285	496	538	284	260	227	401	107	108	42	9≠19	f	2/52	L1	RS
855		257	287	504	545	286	259	229	389	100	100	42	9≠20	f	2/52	L1	TO
862	30	254	284	498	544	292	258	228	391	105	101	43	9≠20	f	2/52	L1	TO

Table 37. Albacore from the Western Equatorial Pacific: Eastern Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
863		254	277	509	543	290	258	219	393	109	104	44	8+20	f	2/52	L1	TO
874	33	262	290	522	559	300	264	230	404	111	112	42	8+21	f	2/52	L1	RS
878	32½	262	293	516	558	291	272	231	425	107	106	43	9+20	f	2/52	L1	RS
886		258		524	558	289	270	228	400	106	106	43	9+21	m	2/52	L1	TO
886	33	265	299	524	565	297	269		412	106	105	43	9+21	f	2/52	L1	RS
892	34	258	293	516	556	289	273	229	402	110	106	44	9+19	f	2/52	L1	RS
892	38	266	299	528	563	295	273	244	381	108	108	45	9+21	f	2/52	L1	TO
895	34	264	292	531	568	300	268	236	412	111	107	43	9+20	m	2/52	L1	RS
895	34	268	303	532	572	301	275	232	374	104	102	46	10+20	f	2/52		
899	34	265	296	526	565	298	267	224	418	112	109	43	8+19	m	2/52		
899	35	265	297	534	573	300	276	243	425	110	104	44	8+20	f	2/52	L1	RS
900	35	262	294	527	569	295	272	237	404	106	103	45	8+20	f	2/52	L1	RS
901	34	261	291	523	567	292	274	231	424	111	111	45	9+21	f	2/52	L1	GIM
903		264	297	529		300	283	238	425	114		44		f	2/52	L1	RS
904	37	263	298	530	566	293	278	247	413	116	116	45	9+21	f	2/52	L1	TO
906	35	269	302	526	571	301	272	241	415	116	117	45	9+20	f	2/52		RS
906	35	270	300	531	576	302	277	235	428	117	115	46	8+19	f	2/52		RS
910		265	302	539	579	299	281	239	416	113	112	46	10+20	f	2/52	L1	RS
910		266	301	529	571	298	274	234	399	104	100	44	8+21	f	2/52	L1	RS
914	35	273	301	538	584	305	276	238	408	117	111	43	9+20	m	2/52	L1	RS
921	39	272	299	532	584	297	292	239	423	119	117	45	8+20	f	2/52	L1	TO
922	37	267	302	542	581	306	273	245	408	113	109	42	10+20	m	2/52	L1	RS
922	38	272	303	537	580	316	264	239	423	109	110	47	9+20	f	2/52	L1	RS
934	40	275	309	555	595	314	278	247	449	125	123	43	10+20	m	2/52		RS
955	42	280	304	554	604	316	293	250	405	119	117	46	8+20	m	2/52	L1	TO
977	45	285	318	577	626	319	309	248	412	116	113	44	9+20	m	2/52	L1	TO
982	44	290	312	573	621	327	282	249	413	125	127	48	9+21	m	2/52		GIM
985	46	287	322	577	624	323	304	258	412	126	120	49	9+20	m	2/52		GIM
987	50	290	326	583	632	327	308	263	428	126	123	48	8+20	m	2/52	L1	RS
1002	46	296	324	582	632	334	302	259	428	129	123	47	10+20	m	2/52	L1	RS

Table 37. Albacore from the Western Equatorial Pacific: Eastern Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1002	48	292	324	590	632	327	307	253	405	111	117	46	10/20	m	2/52	L1	RS
1011	52	294	325	596	636	338	303	265	478	123	131	45	9/20	m	2/52	L1	
1025	50	293	331	600	638	332	313	266	430	124	118	25	9/20	m	2/52	L1	RS
1027	49	293	327	585	643	337	310	272	456	139	133	47	8/20	m	2/52		RS

Table 38. Albacore from the Western Equatorial Pacific: Western Marshalls

843	27 1/4	249	288	500	536	279	260	213	386	105	96	41	8/21	f	9/51	L1	WVC
944	39 3/4	279	308	543	595	311	290	247	434	118	112	42	8/19	m	8/51	L1	WVC
957		272	311	553	600	301	299	245	439	120	112	44			2/51		KE
963	41	277	320	561	606	304	302	242	396	119	115	46	8/19	f	7/51	L1	WVC
1032		297	341	603	654	328	327	268	447	135	131	46	9/20	m	7/51	L1	WVC
1053	57 1/2	303	350	613	667	341	331	283	452	138	134	46	8/20	m	9/51	L1	WVC
1077	56 3/4	311	344	612	669	343	328	275	443	141	134	50	9/21	m	7/51	L1	WVC
1078	55 1/4	306	348	615	674	336	343	279	473	150	147	47	9/21	m	7/51	L1	WVC
1081	56 1/2	305	350	617	675	350	328	277	473	149	142	45	9/19	m	9/51	L1	WVC
1086		307	336	615	685	355	333	278	433	140	141	46			2/51		KE
1094	61	321	361	631	680	359	324	283	474	146	145	46	9/19	m	9/51	L1	WVC
1099	60 3/4	320	359	625	682	348	339	282	458	158	143	48	8/20	m	8/51	L1	WVC
1122	64 1/4	324	365	644	699	362	344	298	472	147	145	47	9/20	m	8/51	L1	WVC

Table 39. Albacore from the Western Equatorial Pacific: Eastern Carolines

825		238	277	479	517	271	256	213	352	105	102	39			8/50	L1	BMS
848		249	275	489	532	279	261	210	371	113	109	39	9/22		8/50	L1	BMS
869		257	281	499	549	286	273	219	402	117	112	41			8/50	L1	BMS
871		254	284	509	550	291	272	216	399	112	109	41			8/50	L1	BMS
874		254	290	504	553	287	273	224	397	116	112	41	8/21		8/50	L1	BMS

Table 39. Albacore from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
877	32	252	285	509	554	282	278	231	392	115	110	41	8/20	m	6/51	Ll	WCV
878		250	283	500	537	284	260	221	403	113	106	39	8/19		8/50	Ll	BMS
881		254	278	510	556	288	278	224	377	109	111	40			8/50	Ll	BMS
883		255	283	510	555	287	272	214	418	110	107	42	8/21		8/50	Ll	BMS
886	32 1/4	256	293	527	571	284	283	225	390	112	106	41	9/21	f	9/51	Ll	WCV
889		259	300	516	563	291	276	233	428	120	119	43			2 /51		KE
894	32 3/4	267	301	525	576	296	283	224	412	114	111	42	9/20	m	9/51	Ll	WCV
895		265	301	527	570	299	274	225	429	124	155	45			2/51		KE
901		281	308	560	605	318	292	248	453	131	125	41			8/50	Ll	BMS
904		270	305	533	571	299	276	243	419	121	115	45	8/19		8/50	Ll	BMS
905		262	295	518	576	296	293	233	405	112	110	42	8/20	f	4/51	Ll	TO
913	35	266	300	533	575	297	280	235	426	124	120	42	8/21	m	6/51	Ll	WCV
920		271	289	526	585	295	289	254	401	120	105	45			2/51		KE
920		271	295	529	582	303	283	248	411	124	121	46			2/51		KE
924		266	300	531	583	300	292	234	410	123	120	40			7/50	Ll	BMS
926		275	305	531	592	297	297	246	419	119	112	46			2/51		KE
930		269	300	529	587	306	294	230	467	125	124				7/50	Ll	BMS
931		266	297	527	580	301	290	230	383	111	110	41			7/50	Ll	BMS
931		276	310	552	591	305	297	241	416	121	113	43			2/51		KE
933		263	296	536	587	297	296	231	403	115	109	41			8/50	Ll	BMS
934		273	301	535	581	310	276	250	418	118		42	10/20		8/50	Ll	BMS
937		279	311	552	599	308	298	253	418	125	127	47			2/51		KE
946		272	301	527	588	302	288		427	120	114	42		m	8/50	Ll	BMS
949		274	307	541	597	313	295	238	410	117	120	42			8/50	Ll	BMS
951		283	314	553	595	313	281	249	415	128	123	46			2/51		KE
952		278	314	550	599	320	290	247	427	125	122	43			8/50	Ll	BMS
953		275	312	554	598	312	297	251	414	129	123	47	9/20		8/50	Ll	BMS
955		273	305	541	594	308	294	248	424	119	116	45			2/51		KE
955		276	309	549	594	315	288	237	434	127	122	43	9/20		8/50	Ll	BMS

Table 39. Albacore from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
956		278	307	545	592	311	288	243	417	124	124	46	8/20		8/50	L1	BMS
957		274	310	556	603	312	299	241	417	126	118	45			2/51		KE
958		276	301	545	604	308	313	256	416	131	135	44			8/50	L1	BMS
959		277	310	566	602	310	294	249	409	121	122	43	8/20	f	4/51	L1	TO
960		276	315	561	610	315	304	257	409	129	129	45			2/51		KE
962		272	310	550	597	308	295	240	458	124	125	43	9/20		8/50	L1	BMS
964		277	309	550	596	313	301	247	423	123	121	44			8/50	L1	BMS
970		281	309	553	609	320	300	255	428	134	128	44			8/50	L1	BMS
971		276	306	555	606	309	308	251	412	126	126	42			7/50	L1	BMS
973		279	306	551	616	315	304	248	432	129	133	43	8/19		8/50	L1	BMS
978		282	307	551	610	320	306	250	432	122	120	43			8/50	L1	BMS
979	42¼	280	311	555	603	309	296	256	421	133	132	42	8/21	m	6/51	L1	WVC
979		281	309		617	323	302	243	437	122	122	45			2/51		KE
980		283	314	566	613	327	307	254	450	142	134	44			8/50	L1	BMS
983		283	314	569	612	315	301	259	456	130	128	49			2/51		KE
987		280	320	566	604	320	295	256	429	134	132	44	8/20		8/50	L1	BMS
987		297	317	563	624	328	300	248	454	124	128	46	9/19		8/50	L1	BMS
989		285	329	575	610	316	295	262	428	129	122	44	9/20		8/50	L1	BMS
990		282	312	555	615	317	306	254	430	119	120	43	9/20		8/50	L1	BMS
994	44½	288	335	578	618	321	302	263	436	131	130	45	9/21	m	6/51	L1	WVC
996		294	339	592	632	332	306	275	421	138	137	44	9/20	m	4/51	L1	TO
999		284	326	564	626	320	320	264	443	128	135	44			8/50	L1	BMS
1000		288	324	586	638	329	317	259	426	137	127	47			2/51		KE
1002	44¼	287	320	579	635	315	325	252	439	131	130	44	9/21	f	6/51	L1	WVC
1002	48	289	325	582	619	323	303	259	433	127	129	46	9/21	m	9/51	L1	WVC
1002		295	334	578	640	334	320	261	450	150	146	43	9/21		8/50	L1	BMS
1006		285	308	571	610	318	305	255	419	130	129	44			8/50	L1	BMS
1006		285	312	564	630	322	319	262	457	127	123	46	8/20		8/50	L1	BMS
1006		291	313	575	635	330	308	252	434	134	130	44			2/51		KE
1009	53¼	296	330	592	642	327	319	267	414	127	117	46	9/20	m	6/51	L1	WVC

Table 39. Albacore from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1010		289	324	581	625	326	305	255	455	131	136	45			2/51		KE
1011		292	324	577	631	334	307	263	453	129	126	45	9/20		8/50	L1	BMS
1018		296	324	578	634	333	303	263	458	137	134	45			2/51		KE
1019		295	335	601	645	327	322	266	448	143	143	46			2/51		KE
1021		302	332	590	632	337	298	263	462	139	134	45	8/20	m	4/51	L1	TO
1024		293	335	594	639	330	318	266	437	132	131	45			2/51		KE
1035		294	324	583	635	330	315	258	481	140	132	46	9/20		8/50	L1	BMS
1035	50 1/2	301	330	590	649	342	313	267	482	145	138	44	8/20	m	9/51	L1	WVC
1036		301	331	601	653	335	325	270	414	131	136	52	8/21	f	5/51	L1	TO
1039		300	346	605	654	340	321	271	455	136	145	50			2/51		KE
1041		301	331	601	658	344	316		452	133	133	44	8/21	m	4/51	L1	TO
1042	49 3/4	295	340	595	651	328	333	269	459	142	134	47	8/19	m	6/51	L1	WVC
1048	51 1/2	302	338	601	647	337	315	269	453	151	144	46	9/20	m	9/51	L1	WVC
1052		300	333	590	649	342	324	288	486	141	135	48	9/19		8/50	L1	BMS
1053		290	326	597	845	324	325	279	418	127	127	46	9/21	m	4/51	L1	TO
1053	57 1/2	303	350	613	667	341	331	283	452	138	134	46	8/20	m	9/51	L1	WVC
1053		301	337	607	663	351	328	290	457	137	132	46			2/51		KE
1063		304	342	606	667	342	331	274	467	146	141	45	9/21	m	4/51	L1	TO
1064		299	340	606	668	337	342	276	485	140	141	45			2/51		KE
1066		308	340	609	670	342	341	283	453	140	135	47			8/50	L1	BMS
1067		306	347	619	666	342	330	280	488		138	45			2/51		KE
1071		299	329	610	676	336	345	269	470	150	149	46	9/21	m	5/51	L1	TO
1073		307	339	608	669	347	334	286	472	151	141	48			2/51		KE
1077		312	351	620	679	356	329	271	429	139	140	49			2/51		KE
1078	57 3/4	317	358	627	678	355	331	280	466	159	145	48	8/19	m	9/51	L1	WVC
1079		300	341	612	676	343	335	272	467	146	143	45			2/51		KE
1084		312	341	614	666	358	322	291	434	134	135	48	9/20		8/50	L1	BMS
1087		311	340	607	666	357	324	214	466	140	136	47	8/19		8/50	L1	BMS
1093		314	340	616	682	358	339	280	473	144	146	49	9/21		8/50	L1	BMS
1093		316	350	613	678	359	330	275	450	141	146	50	8/20		8/50	L1	BMS

Table 39. Albacore from the Western Equatorial Pacific: Eastern Carolines (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	month and Year	Gear	Examiner
1097		313	343	619	675	356	332	283	463	148	142	47	8≠20		8/50	L1	BMS
1104	61	316	357	636	698	356	345	281	467	143	148	50	9≠19	m	6/51	L1	WVC
1106	56	317	351	627	693	355	353	268	443	142	137	53	10≠21	m	6/51	L1	WVC
1111	63	323	358	628	694	356	346	292	477	144	140	52	8≠20	m	9/51	L1	WVC
1114		314	348	635	691	362	340	284	455	143	142	48			8/50	L1	BMS
1128		323	364	637	700	367	350	274	478	147	138	50	8≠19		8/50	L1	BMS

Table 40. Albacore from the Western Equatorial Pacific: Central Carolines

887		253	281	507	555	286	277	216	380	118	120	41			7/50	L1	BMS
901		281	308	560	605	318	292	248	453	131	125	41			8/50	L1	BMS
948		277	307	545	597	318	285	243	430	121	118	42			7/50	L1	BMS
958		278	311	544	606	315	299		436	123	116	42			7/50	L1	BMS
959		275	322	552	599	314	285	259	420	110	127	45		f	4/51	L1	TO
969		279	318	553	601	314	292	265	412	132	126	44			7/50	L1	BMS
968		279	310	557	606	312	306	258	420	121	127	44			7/50	L1	BMS
972		274	309	540	611	333	298	233	444	136	131	42			7/50	L1	BMS
972		281	316	561	603	318	294	247	420	137	122	43			7/50	L1	BMS
979		279	318	562	621	326	303	239	443	125	125	44	8≠20		6/50	L1	BMS
981	41	278	313	559	604	314	286	231	431	110	116	45		f	4/51	L1	TO
982	45	286	318	573	616	320	297	262	431	125	123	45	9≠21	f	4/51	L1	TO
983		288	311	561	619	337	300	272	438	130	126	45			6/50	L1	BMS
988		277	313	553	610	320	297	247	445	120	127	45			6/50	L1	BMS
991	47	282	329	576	613	312	308	262	451	125	122	42	8≠21	m	4/51	L1	TO
1000		287	314	570	623	317	314		417	138	134	43			7/50	L1	BMS
1002		282	314	563	617	320	310	258		136	133	42			7/50	L1	BMS
1007		289	322	570	640	325	321	248	450	130	118	43		m	7/50	L1	BMS
1013	48	291	336	589	641	331	309	245	450	133	127	44		m	4/51	L1	TO
1024		298	330	584	634	341	307	259	476	145	135	43			6/50	L1	BMS
1037		293	336	584	643	337	323	269	466	137	129	43	8≠20		6/50	L1	BMS
1047		302	336	607	655	342	314	273	454	144	139	46	8≠21	m	4/51	L1	TO

Table 41. Albacore from the Western Equatorial Pacific: Western Carolines

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
696		214	231	399	437	236	194	184	260	83	84	33			3/51	LL	TO
973	41	278	307	552	606	313	302	246	449	118	113	41	8/21		12/50		KE
1039	50	290	316	569			325	263	476	112	124	45	8/20		12/50		KE
1042	50	294	333	599	660	349	319	261	476	133	125	45	9/21		12/50		KE
1049	51	298	320	590	646	333	318	270	474	120	131	44	8/20		12/50		KE

Table 42. Albacore from the Northeastern Pacific: United States' Coast

533	5	156	182	319	347	179		132	187	55	45	33	9/19		9/49	Tr	HHE
539	5	156	179	322	356	187		130	177	48	47	31	9/21		9/49	Tr	HHE
540	5¼	156	182	321	351	182		130	171	45	45	34	9/21		9/49	Tr	HHE
556	7	163	180	329	357	190		144	200	50	45	30	9/19		9/50	Tr	HHE
620	9	180	203	361	401	218		151	200			34	9/21	f	9/50	Tr	HHE
621	12	187	207	372	412	220		149	200	61	59	40	9/20		9/49	Tr	HHE
622	11¾	185	209	366	397	209		158	157	62	60	33	9/20		8/49	Tr	GWM
625	15	183	206	369	399	213		155	251	66	56	39	9/20		9/49	Tr	HHE
636	12	183	206	371	405	209		163	240	61	55	37	9/22		9/49	Tr	HHE
644	15	189	215	377	414	219		163	251	65	60	39	9/21		9/49	Tr	HHE
659	15¾	192	222	389	424	219		170	182	73	70	34	9/21	m	8/49	Tr	GWM
691	13¾	201	226	406	430	229		165	270	69	61	37	8/20	f	8/49	Tr	GWM
720	16½	212	234	425	457	239		180	294	73	73	38	9/21		8/49	Tr	GWM
732	17	218	238	430	472	247		183	299	75	71	39	9/21		9/50	Tr	HHE
769	20	219	248	453	490	252		198	332	78	60	37	9/20	m	9/50	Tr	HHE
814	24	238	267	477	509	268		206	362	85		42	8/19	m	9/50	Tr	HHE

Table 43. Albacore from the North Central Pacific: Hawaiian Islands

876	31	256	275	503	565	313	270	217		100	104	40	9/21	f	11/49		MBS
916	34	269	297	533	587	307		230	402	113	117	39	9/21	f	8/49	Ll	HBE
930	37	263	302	544	589	302		233	415	119	116	40	9/20		9/49	Ll	HBE
942	40	270	297	544	591	309		250	410	124	126	41	9/21		8/49	Ll	HBE
956	42	271	311	553	613	319		255	432	122	123	43	9/21		9/49	Ll	HBE

Table 43. Albacore from the North Central Pacific Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
962	41	276	297	539	597	315		249	418	124	123	43	9+20		8/49	L1	HBE
966	41	278	309	562	620	323		239	410	126	120	42	9+22		9/49	L1	HBE
973	43	275	308	552	622	316		242	417	122	118	42	8+21		6/49	L1	KY
981	46	279	319	571	634	319		253	415	129	126	41	9+20		9/49	L1	HBE
985	46	274	321	577	618	323		255	429	132	131	42	8+21		5/49	L1	HBE
988	47	277	317	583	630	325		274	397	124	124	42	9+20	f	9/49	L1	HBE
989	47	280	319	562	612	313		258	419	137	132	43	10+21		9/49	L1	HBE
991	43	279	321	561	622	327		249	405	123	128	41	9+20		9/49	L1	HBE
993	45	282	320	570	627	334		261	465	134	132	42	9+21		9/49	L1	HBE
1001	46	278	320	583	627	315		253	425	128	130	38	9+21		8/49	L1	HBE
1001	47	288	327	576	630	328		268	437	132	135	41	9+19	m	8/49	L1	HBE
1002	47	282	310	575	636	326		255	411	138	124	43	10+20		8/49	L1	HBE
1004	49	294	328	587	636	387		259	441	130	127	44	9+21	m	8/49	L1	HBE
1010	51	295	329	591	651	330		257	406	129	136	49	8+20		8/49	L1	HBE
1013	50	294	319	582	623	336		262	459	139	135	46	8+22		9/49	L1	HBE
1018	48	290	326	576	640	332		267	444	136	136	43	9+19		6/49	L1	KY
1020	49	287	321	579	650	336		268	439	137	133	45	8+20		9/49	L1	HBE
1020	52	288	325	580	640	336		264	423	134	136	42	8+21		8/49	L1	HBE
1020	52	290	322	592	650	330		263	430	127	123	41	8+20		9/49	L1	HBE
1021	54	292	328	583	643	331		269	425	144	135	43	9+21		8/49	L1	HBE
1023	48	281	319	584	638	328		265	452	138	130	41	9+20		9/49	L1	HBE
1023	50	292	330	583	641	331		262	465	130	310	45	9+21	m	7/49	L1	HBE
1025	48	287	322	582	640	324		250	433	132	131	45	8+20		8/49	L1	HBE
1027	49	287	326	589	652	333		268	441	136	133	44	9+21		9/49	L1	HBE
1028	52	297	334	597	657	354		280	419	135	132	46	9+21		8/49	L1	HBE
1029	50	295	328	584	636	340		264	419	128	130	45	9+18		6/49	L1	HBE
1030	48	289	331	593	649	344		247	433	135	132	45	8+21		6/49	L1	KY
1030	54	292	331	596	654	341		268	418	136	138	45	9+20		7/49	L1	HBE
1035	52	298	331	598	661	346		269	433	136	133	47	10+21		6/49	L1	FCJ
1037	52	295	330	589	653	337		263	460	133	134	46	9+20	f	8/49	L1	HBE

Table 43. Albacore from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examined
1037	53	286	337	606	649	324		274	454		119	42	8+20		4/49	L1	FCJ
1037	54	304	338	596	657	344		267	454	146	132	47	8+20		8/49	L1	HBE
1039	53	306	340	608	654	345		260	443	134	134	46	9+20	f	8/49	L1	HBE
1040	49	287	323	581	647	332		251	455	136	128	42	9+20		9/49	L1	HBE
1040	51	298	383	587	655	344		263	453	152	149	48	9+20		9/49	L1	HBE
1045	55	299	334	597	667	347		275	442	129	131	47			5/49		HBE
1046	50	296	327	592	657	350		259	420	126	127	47	10+20		8/49	L1	HBE
1051	53	297	329	598	657	350		266	445	139	138	44	9+20		8/49	L1	HBE
1052	57	303	342	611	679	353		277	409	128	127	48	9+21		5/49	L1	FCJ
1053	54	291	325	600	663	341		269	430	133	128	43	10+19	m	9/49	L1	HBE
1061	57	295	331	604	672	350		271	447	128	125	47	9+20		4/49		KY
1063	58	306	335	599	670	355		269	460	137	133	43	9+20		7/49	L1	KY
1069	56	301	338	608	678	347		271	464	144	140	43	8+21		8/49	L1	HBE
1069	57	303	346	600	677	350		282	446	146	142	49	9+20		7/49	L1	HBE
1070	56	300	333	600	660	346		269	458	143	141	46	8+20		7/49	L1	HBE
1074	61	305	337	627	693	350		272	468	143	143	47	8+21		9/49	L1	HBE
1090	61	329	340	602	673	379		305		178	166	46	9+19		8/49	L1	HBE
1094	62	306	357	635	689	366		283	443	143	147	47	7+19		5/49	L1	KY
1104	65	311	345	625	700	356		295		140	140	48	8+19		6/49	L1	FCJ
1105	60	312	360	636	703	355		275	485	132	133	48	9+21	m	3/49	L1	FCJ
1105	60	315	354	639	693	360		288	469	133	135	44	8+21		3/49	L1	FCJ
1106	67	323	357	636	703	377		296	469	149	154	46	9+21		8/49	L1	HBE
1109	65	320	346	631	703	368		289	496	153	148	50	9+20		8/49	L1	HBE
1112	64	311	341	637	705	366		291	474	145	145	47	9+21		9/49	L1	HBE
1114	62	311	349	627	684	356		284	476	165	164	47	9+20		8/49	L1	JWR
1114	68	310	351	631	692	356		305	465	146	143	49	9+21		8/49	L1	JWR
1117	68	314	359	648	696	365		289	482	153	148	49	10+21	m	9/49	L1	HBE
1119	61	312	350	637	700	362		291	449	143	144	46	8+20		9/49	L1	HBE
1119	68	317	350	634	704	369		289	463	140	138	49	8+20		8/49	L1	HBE
1120	64	313	344	630	706	368		293	465	141	144	47	9+21	m	5/49	L1	KY

Table 43. Albacore from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1122	63	317	355	644	702	365		287	477	148	145	47	9/20		9/49	L1	HBE
1122	65	316	339	636	706	372		289	468	145	146	50	8/20		9/49	L1	HBE
1122	66	317	352	645	710	367		272	478	157	151	49	8/20	m	9/49	L1	HBE
1123	67	319	359	650	714	371		291	472	153	159	50	8/21	m	8/49	L1	HBE
1125	65	316	360	648	707	369		288	469	146	141	48	9/21		9/49	L1	HBE
1126	66	324	362	649	728	391		308	454	145	138	47		m	5/49	L1	KY
1130	66	309	351	646	709	361		300	473	151	152	47	8/20		8/49	L1	HBE
1132	66	313	347	634	702	378		297	443	143	138	47	9/21		5/49	L1	KY
1132	66	322	365	650	705	367		292	497	160	155	47	8/20		5/49	L1	HBE
1133	66	319	357	640	711	377		293	488	152	152	48	9/20		6/49	L1	HBE
1133	69	327	360	659	720	373		295	471	146	145	49	9/22		6/49	L1	HBE
1133	71	330	363	640	716	377		293	476	156	155	49	9/20		8/49	L1	HBE
1134	68	327	361	645	711	377		293	461	157	150	50	7/20		8/49	L1	HBE
1135	68	320	350	654	713	371		297	455	146	140	47	9/20		9/49	L1	HBE
1135	69	321	353	643	712	388		307	455	154	148	47			7/49	L1	HBE
1136	65	321	354	643	711	380		284	466	145	136	46	7/21		6/49	L1	KY
1137	66	325	359	648	717	379		298	467	151	142	49	9/21		7/49	L1	HBE
1138	67	316	370	657	704	361		293	458	145	142	50			5/49	L1	KY
1140	72	318	352	649	721	375		307	467	142	144	47	9/21	m	9/49	L1	HBE
1140	73	324	359	648	723	376		284	462	148	143	49	8/21		6 /49	L1	KY
1142	72	328	359	646	712	371		301	468	147	153	49	7/20		7/49	L1	HBE
1144	68	335	374	658	727	389		289	468	148	152	48	8/18		8/49	L1	HBE
1147	69	328	358	650	719	378		297	471	153	154	47	8/20	m	8/49	L1	HBE
1147	72	325	354	651	728	387		311	470	144	145	47	8/21		6/49	L1	KY
1148	72	321	365	655	728	377		304	487	157	148	46	8/20		5/49	L1	KY
1151	72	329	358	660	727	383		307	462	160	149	47	7/20		7/49	L1	HBE
1152	69	325	362	657	708	372		289	470	151	149	47	9/20		8/49	L1	HBE
1152	70	328	368	652	711	379		293	456	149	150	47	9/20		8/49	L1	HBE
1154	69	318	353	645	713	376		294	483	148	143	50	8/20		9/49	L1	HBE
1154	70	323	358	638	714	362		296	476	154	155	49	8/21		6/49	L1	FCJ

Table 43. Albacore from the North Central Pacific: Hawaiian Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
1154	71	324	301	654	713	373		298	462	152	153	48	8/20		9/49	L1	HBE
1165	70	331	372	666	742	375		306	486		141	47			5/49	L1	HBE
1167	73	327	361	657	719	377		300	468	153	153	50	9/20		9/49	L1	HBE
1167	75	326	371	673	733	378		301	469	148	149	49	8/20	m	9/49	L1	HBE
1171	69	326	364	653	735	390		308	455	156	152	47	9/20		7/49	L1	HBE
1178	75	335	370	677	738	386		308	500	168	168	50	9/21		8/49	L1	HBE
1185	72	331	377	677	732	376		291	485	133	135	52	7/21		3/49	L1	FCJ

Table 44. Albacore from the Northwestern Pacific: Japan

768		244	256	441	501	264		219	276	91	88				2/49		FCC
876	32	251	284	502	542	280		239	398	113	113	40	10/21		6/49	P1	BMS
890	30	255	299	519	551	290		236	375	118	115	40	8/20		6/49	P1	BMS
894	32	254	291	520	559	289		238	387	122	117	41	10/21		6/49	P1	BMS
894	32	261	303	527	565	287		230	376	116	111	41	8/21	m	6/49	P1	BMS
903	34	250	286	529	569	284		227	413	116	116				1/49	L1	FCC
903		262	287	529	578	301		228	384	104	104				2/49		FCC
1013	48	288	319	591	638	329		253	454	128	126	40	10/20	m	1/49	L1	FCC
1027	51	291	332	612	664	310		264	431	124	125	46			1/49	L1	FCC

Table 45. Bluefin from the Western Equatorial Pacific: Western Marshalls

1971	315¾	544	610	1059	1157	594	583	542	354	293	304	47	12/23	f	7/51	L1	WVC
2078	296	563	591	1063	1220	635	610	541	360	318	309	49	14/26	f	7/51	L1	WVC

Table 46. Bluefin from the Western Equatorial Pacific: Eastern Carolines

1972	291	547	586	1058	1197	593	604	527	390	337	324	49	12/23	f	7/51	L1	WVC
1999	310	559	572	1059	1216	652	617	557	386	313	299	45		m	4/51	L1	TO
2205		599	642	1172	1310	674	676		389	377	365	45			7/50	L1	BMS

Table 47. Bluefin from the Western Equatorial Pacific: Central Carolines

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Ven.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rak-/-	Sex	Month and Year	Gear	Examiner
2139		582	624	1136	1253	649	632	550	405	344	331	45			7/50	Ll	BMS
2239	463	631	661	1185	1373	748	675		405	435	428	51			7/50	Ll	BMS
2255		600	648	1221	1354	696	667	578	418	441	391	48			6/50	Ll	BMS

Table 48. Bluefin from the North Central Pacific: Hawaiian Islands

1740	233	497	531	950	1069	540	560	450	335	268	251	44	12/24	m	10/50	Ll	KY
1902	376	542	589	1052	1184	600	577	534	333	241	236	48			9/51	Ll	RS

Table 49. Bluefin from the Northwestern Pacific: Japan

510	6.6	156	171	301	333	176		140	93	45	43	23			2/49	Gn	FCC
530	7.3	165	179	313	342	185		148	96		46	22			2/49	Gn	FCC
531	6.9	163	177	312	346	184		149	91	47	44	23			2/49	Gn	FCC
537	7.2	159	170	306	346	178		142	96	51		23			2/49	Ll	FCC

Table 50. Bluefin from the Southwestern Pacific: Australia (Frozen specimens measured in Honolulu)

659	14½	207	223	381	410	233		184	148	74	69	29	10/23		12/49		KE
678	15	213	226	389	437	238		182	145	75	71	29	10/22		12/49		KE
680	14¾	208	226	397	437	242		184	146	73	73	31	11/23		12/49		KE
687	14½	207	223	393	430	254		183		81	75	32	11/24	f	12/49		KE
687	14½	217	230	399	453	261		185	145	72		32	11/23		12/49		KE
696	15	216	232	393	439	252		182	146	85	93	34	10/21	m	12/49		KE
697	16½	217	222	454	501	269		191	155	82			10/22		12/49		KE
709	15¼	219	237	407	441	242		190	147	73		31	13/23		12/49		KE
709	16½	220	224	397	455	272		187	155	70	84	30	10/22		12/49		KE
730	17½	221	226	405	466	266		191	155	80	75		11/21		12/49		KE
734	18	220	241	422	460	258		187	160	99	86	31	12/23		12/49		KE
747	17	223	233	423	463	276		189	158	100	92	32	12/22	m	12/49		KE
754	18	231	242	429	474	281		193	152	86		30	11/22		12/49		KE

Table 51. Australian Northern Bluefin from the Northwestern Pacific: Southwestern Panay Island, Philippines*

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
527	145	155	281	325	162
546	136	165	289	330	164
548	146	160	295	332	166
572	148	167	302	343	167
578	155	165	297	346	176
580	157	173	307	343	176
591	154	167	317	356	176
605	162	186	328	370	182
618	171	184	338	397	184
722	190	207	385	423	218

Table 52. Australian Northern Bluefin from the Northwestern Pacific: Northeastern Panay Island, Philippines*

541	150	168	295	334	176
558	147	153	288	335	160
558	160	166	300	344	182
565	150	157	300	340	165
568	152	150	296	342	172
570	142	160	294	334	165
570	145	152	291	333	162
570	147	168	308	338	168
571	161	176	307	340	176
572	161	172	300	340	182
575	151	172	300	340	172
577	160	171	301	352	180
580	140	160	312	345	163
580	151	160	310	346	165
580	152	160	325	345	172
581	140	157	306	336	170
585	146	160	306	350	166
585	150	161	304	350	150
585	153	155	307	354	170
585	158	172	322	345	170
586	146	163	310	345	165
586	156	166	300	342	174
586	160	165	308	356	180
587	145	162	300	342	162
587	164	171	310	350	180
592	143	165	312	350	155
593	145	153	301	340	170
594	159	165	300	355	181
599	158	170	305	345	180
599	161	170	302	356	180
603	163	183	314	360	183
605	169	182	324	365	192
608	155	168	314	358	177
608	160	166	325	363	180
608	164	178	312	362	185
610	150	172	326	360	174
610	154	168	315	362	170
611	163	175	330	372	181
612	158	172	320	365	180
624	172	185	326	371	188
628	182	188	342	377	197
634	163	180	342	376	180
635	166	180	322	366	190
636	171	179	331	372	191
639	177	197	340	382	200
647	166	182	332	365	187
652	170	183	335	392	190
665	180	181	345	397	205
671	186	193	355	409	214
694	175	188	350	395	200

*From the Philippine Bureau of Fisheries

Table 53. Australian Northern Bluefin from the Northwestern Pacific: Batangas Province, Luzon, Philippines*

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
502	138	154	278	309	153
513	138	150	273	314	159
516	140	155	279	316	159
521	140	151	272	311	153
522	142	151	275	316	165
530	146	152	280	319	161
538	150	159	283	323	166
540	154	159	285	327	174
542	147	165	293	324	165
543	150	149	278	325	173
544	149	155	295	331	169
544	151	162	290	321	162
545	152	163	291	334	171
557	152	157	284	330	169
561	151	170	294	342	170
566	154	157	293	337	176
573	158	165	300	348	175
576	154	163	303	352	179
588	159	173	304	341	178
623	158	180	331	374	191
721	183	203	369	422	217

Table 54. Australian Northern Bluefin from the Northwestern Pacific: Ragay Gulf, Bicol Peninsula, Luzon*

381	106	118	201	226	118
385	106	115	203	231	
388	109	115	207	236	120
400	109	114	211	240	122
504	142	152	267	304	159
508	141	148	267	311	160
517	142	160	280	316	160
518	147	155	281	314	159
518	147	158	272	312	166
520	146	158	285	325	166
523	145	152	276	309	165
526	147	154	272	312	162
530	146	152	281	317	161
531	149	161	281	322	167
532	147	156	276	338	163
532	148	156	282	326	170
533	148	161	281	322	167
533	153	157	282	325	171
536	146	158	280	334	165
537	143	153	278	325	161
537	151	159	286	318	166
539	145	156	275	320	159
541	147	158	278	320	165
543	143	162	285	322	163
543	151	163	283	322	166
545	152	153	282	329	167
549	150	163	282	327	167
550	144	158	289	332	162
550	152	164	285	327	166
551	147	160	292	332	168
554	151	165	294	331	169
555	148	162	288	330	171
562	149	162	295	337	170
562	154	168	302	340	172
567	151	164	287	331	176
582	154	167	307	349	171

Table 55. Australian Northern Bluefin from the Northwestern Pacific: South Sulu Sea, Philippines*

447	129	134	244	271	148
480	140	148	262	291	150

*From the Philippine Bureau of Fisheries

Table 56. Skipjack from the Eastern Equatorial Pacific: 120° West Longitude

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
764	22	225	257	478	513	247	250	187	127	82	78	30			10/52	L1	TSH
776	24	231	256	486	523	258	257	190	123	83	80	28	20/40	f	10/52		TSH
789	24	239	264	490	531	262	264	182	133	99	93	28			10/52	L1	GIM

Table 57. Skipjack from the Central Equatorial Pacific: 130° West Longitude

653	13	200	220	412	442	221	220	152	107	71	68	26	17/36		11/52	L1	
667	14½	200	233	414	451	219	219	162	108	76	72	26	21/38	m	11/52	L1	TSH
678	16½	200	230	422	452	224	221	172	120	77	76	21			11/52	L1	TSH
680	15	203	233	435	457	222	233	163	112	75	74	23	20/36	m	11/52	L1	
684	16	206	233	424	457	230	219	158	113	70	65	27	20/39	m	11/52	L1	TSH
731	20	228	255	469	506	253	247	177	126	80	79	27			11/52	L1	TSH
761	21	234	261	474	517	262	252	182	126	82	85	27			11/52	L1	GIM
791	24	248	274	495	544	281	250	181	131	86	85	31	19/42	f	11/52	L1	TSH
802	25	235	275	505	545	286	253	190	128	91	84	29		m	11/52	L1	TSH
812	26½	247	284	513	548	275	262	197	136	90	92	31			11/52	L1	TSH
817	26	246	266	501	552	300	276	200	137	89	88	30	20/37	m	11/52	L1	GIM

Table 58. Skipjack from the Central Equatorial Pacific: 140° West Longitude

531		162	182	327	369	196	181	131	79	51	47	24	18/40	m	5/52		JEK
703		211	241	437	475	233	231	183	107	78	70	23	18/37	f	6/52	Tr	DTY
722		214	241	451	485	232	250	192	116	76	74	27	19/40	f	8/52	L1	WMM
723		215	243	450	483	239	234	185	118	84	81	25	18/38	f	6/52	Tr	DTY
747		224	254	469	509	251	255	193	121	82	78	27	20/39	f	8/52	L1	WMM
748	20	224	246	462	503	253	247	182	125	86	85	24		m	9/52		RS
757		225	256	474	514	250	256	194	119	81	82	28	20/40	f	9/52	L1	WMM
758		231	259	479	517	261		194	128	86	83	29	19/42	f	8/52	L1	WMM
773		237	268	492	530	262	263		127	86	80	27	19/38	m	9/52	L1	DLM
788		243	271	497	532	260	263	208	130	93	90	30	21/40	m	9/52	L1	WMM

Table 58. Skipjack from the Central Equatorial Pacific: 140° West Longitude (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
789		240	264	492	530	263	251	202	133	91	92	30	19+38	m	9/52	L1	WMM
792	25 1/4	241	269	498	535	268	259	201	136	93	88	31		f	9/52	L1	WFR
795		241	273	507	542	265	272	203	149	87	85	30	20+41	f	8/52	L1	WMM
796		245	278	504	544	275	288	208	142	90	85	29	20+39	f	9/52	L1	DLM
797		245	270	497	535	272	254	200	137	96	91	28	19+38	m	9/52	L1	WMM
798		244	275	499	544	272	262	203	132	92	89	23	39+20	f	8/52	L1	DLM
801		239	267		534	263	266	191	126	91	85	30	20+38	f	9/52	L1	WMM
802		240	266		545	263	273	202	133		83	31	18+40	m	9/52	L1	WMM
802		245	278	502	536	270	260	197	127	91	83	29	20+40	f	9/52	L1	DLM
804		237	269	502	541	268	264	210	132	96	93	27	19+36	m	9/52	L1	DLM
805	23 1/2	241	269	504	549	269	278	196	132	89	86	28		f	9/52	L1	RS
808	24 1/2	239	275	495	539	268	261	196	137		87	29		f	9/52		WFR
810	31 1/2	246	277	508	549	269	272	210	138	90	93	30		m	8/52	L1	RS
810		252	278	516	555	276	270	208	130	88	89	30	18+38	f	9/52	L1	WMM
819		250	272	508	555	278	271	205	132	96	89		21+38	m	8/52	L1	DLM
820		255	281	522	569	278	278	202	146	96	96	33	20+41	m	9/52	L1	WMM

Table 59. Skipjack from the Central Equatorial Pacific: Eastern Line Islands

357		101	120	219	236	115	123	85	48	28	25	15	20+39		9/52	L1	DLM
471		138	154	287	314	153	148	114	68	44	39	22	17+39	m	6/51	P1	FCJ
494		148	168	309	340	168	166	126	78	50	44	22	20+43	f	6/51	P1	FCJ
496		147	170	302	325	165	151	123	75	49	45	23	19+40	f	6/51	P1	FCJ
503		154	169	309	333	164	161	127	75	49	47	23	19+39	m	6/51	P1	FCJ
509		152	175	316	343	169	168	127	75	48	45	23	18+42	f	6/51	P1	FCJ
518		155	177	322	342	172	157	128	81	54	47	22	17+38	f	6/51	P1	FCJ
520		158	178	325	357	185	174	129	88	48	46				11/50	Tr	FCC
529		157	180	318	347	169	168	137		58	54	22	17+39	m	6/51	P1	FCJ
530		159	179	327	362	178	174	134	87	57	50	25	20+42	f	6/51	P1	FCJ

Table 59. Skipjack from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
534		157	182	326	353	170	173	133	83	55	51	23	19+43	m	6/51	Pl	FCJ
534		163	182	336	362	183	169	129	87	57	54	26	20+39	m	6/51	Pl	FCJ
544		163	187	341	370	185	178	141	84	57	56	24	17+42	m	6/51	Pl	FCJ
553		164	185	345	378	183	188	145	87	55	56	25	18+39	f	6/51	Pl	FCJ
570		175	192	353	388	195	184	143	90	58	55	25	19+40	m	6/51	Pl	FCJ
577		166	191	359	386	183	193	152		62	56	24	18+40	m	6/51	Pl	FCJ
577		173	199	358	387	195	183	150	93	61	59	25	17+38	m	6/51	Pl	FCJ
594		176	203	368	396	195	191	150	95	64	61	26	20+43	m	6/51	Pl	FCJ
608		186	208	378	413	204	199	151	100	65	63	26	17+38	f	6/51	Pl	FCJ
610		184	209	376	409	207	205	147	100	67	66	26	21+42	f	6/51	Pl	FCJ
613		185	210	380	405	200	193	156	97	69	63	27	19+42	m	6/51	Pl	FCJ
615		185	204	380	410	208	193	157	102	66	64	26	17+39	m	6/51	Pl	FCJ
624		190	217	388	421	207	205	159	94	64	62	27	19+40	m	6/51	Pl	FCJ
630		190	218	396	423	210	204	158	99	69	60	27	19+41	m	6/51	Pl	FCJ
654		194	221	406	432	206	212	163	109	76	71	26	19+39	m	6/51	Pl	FCJ
679	13 1/2	209	238	413	448	230	212	163	108	75	73	27		m	9/51	Ll	TC
690		204	229	433	466	221	233	172		70	69	26		f	8/52	Ll	WFR
695	16 1/2	211	237	429	472	232	228	176	113	78	75	29		f	9/51	Ll	TC
700	16	216	242	439	465	241	220	172	121	81	81	27		m	9/51	Ll	TC
706	18	219	250	449	475	246	229	180	112	80	74	27		m	9/51	Ll	III
736		221	241	459	503	250	482	179		77	75		20+40	m	10/50	Ll	FCC
736	21 1/2	223	246	456	496	245	244	183	120	92	80	28		f	9/51	Ll	III
737	21	219	255	459	483	237	237	192	123	83	79	27		f	9/51	Ll	TC
740	20	224	244	455	499	260	245	193	120	89	86	29		m	9/51	Ll	TC
742	20	223	259	462	497	247	244	181	136	95	89	30	18+37	f	2/50	Tr	JWR
743	20	226	258	469	506	248	249	191	128	89	83	27		m	9/51	Ll	III
746		224	249	469	505	246	248	188	119	82	79	29	19+38	m	9/52	Ll	WMM
748	25	228	255	470	509	247	254	187	121	83	86	28		f	11/52	Ll	III
750	21	225	258	470	503	247	247	192	123	84	77	29		f	9/51	Ll	TC
751	21	232	258	471	512	263	249	187	128	91	84	29		f	9/51	Ll	III

Table 59. Skipjack from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
753	22	230	263	472	510	257	245	195	128	90	86	29		m	9/51	L1	TC
754	20	227	261	465	499	251	244	185	123	86	85	28		m	11/52	L1	III
754	22	223	252	461	501	251	245	192	121	90	90	26		f	9/51	L1	III
754	23	231	252	471	515	262	252	195	125	91	83	28		f	9/51	L1	TC
757	21	230	256	468	512	260	249	191	131	91	93	30	19/38	m	2/50	Tr	MBS
760	23	225	262	475	517	251	253	190	126	84	83	27		f	9/51	L1	III
760	23	231	245	470	520	279	242	195	125	90	86	28		m	9/51	L1	TC
763	22	229	255	475	511	252	248		121	85	81	28		f	9/51	L1	TC
766		226	247	473	511	252		191	118	80	84			m	1/51	Tr	JEK
768	23	240	266	491	526	264	249	198	128	85	82	30		f	11/52		
770	22	227	262	481	517	250	253	192	125	83	79	29		m	2/52	L1	RS
774	24	242	268	483	525	270	250	193	132	93	90	30	20/37	m	11/52	L1	III
775		234	259	489	529	257	265	200	129	89	91	30	19/40	m	9/52	L1	WMM
778		238	265	478	534	270	268	190	124	94	90			f	11/50	L1	DHB
781	22	223	220	450	497	255	240	183	122	90	85	27		f	9/51	L1	III
784	21	246	277	501	539	268	267	205	125	90	87	29		m	11/52	L1	III
786	22	235	264	487	529	270	255	190	130	84	80	30		f	8/52	L1	RS
786	23	239	264	493	525	264	256	192	132	94	92	30		m	11/52	L1	III
786	23	244	279	507	542	263	263	194	125	94	92	30	22/38	f	10/52		TO
791	24	242	275	498	531	268	255	198	127	99	93	30		f	11/52		III
795	24	245	267	493	541	287	255	192	134	88	90	30		f	11/52	L1	III
797	25	242	266	498	536	271	261	184	123	92	89	30		f	11/52	L1	III
799	23 2/3	242	267	502	549	293	265	200	131	87	85	28		f	8/52	L1	RS
801	23	241	265	498	542	265		194	130	97	94	30		m	11/52	L1	III
801	25	243	267	499	537	264	261	199	134	93	89	30		m	10/52		TO
801	26	244	275	507	547	266	269	200	129	95	91	29	20/41	m	11/52	L1	TO
803	24	243	265	495	546	283	256	189	125	96	95	32		f	11/52	L1	III
803	25	245	272	498	541	278	257	191	130	93	89	31		m	11/52	L1	III
805	27	245	273	508	547	279	253	198	141	103	92	30		m	11/52	L1	III
808	24	240	275	506	543	265	265	198	131	92	91	29		f	2/52		TO

Table 59. Skipjack from the Central Equatorial Pacific: Eastern Line Islands (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
811	26 1/2	252	283	506	545	279	260	213	137	99	96	30		m	8/52	Ll	RS
812	29	245	278	514	555	271	278	214	135	97	92	29		m	2/52		TO
814	27	240	260	501	554	288	270	199	130	103	95	31		m	9/51	Ll	III
818	29	246	276	515	558	270	274	207	133	100	94	29		f	2/52		TO
818	30	242	271	500	546	282		211	133	91	85	31		m	2/48	Tr	MBS
821		257	289	518	557	281	271	206	136	99	94	31	19/35	m	9/52	Ll	DLM

Table 60. Skipjack from the Central Equatorial Pacific: Western Line Islands

463	4	142	157	292	319	158		109	66	43	39	24	16/35	m	3/48	Tr	ORS
466	4	139	157	294	317	158		110	72	42	36	21	17/37	f	3/48	Tr	ORS
530		166	184	326	360	191	174	128	89	55	54	25	18/39	f	11/50	Tr	JWR
533	6.5							132	76	49	47	25	17/40	m	3/48	Tr	ORS
545		168	190	334	366	185	181	133	91	55	59	24	18/39	m	11/50	Tr	JWR
551	7.5	169	191	346	363	183		139	90	56	50	26	20/37	f	2/48		MBS
583		179	199	364	391	200	187	143	96	60	58			m	11/50	Ll	FCC
593		180	201	374	397	202	193	145		61	60			m	11/50	Ll	FCC
614	11	194	217	386	425	229	199	158	101	65	57	28	19/37	m	1/53	Ll	DC
652		197	221	407	439	220	220	160	107	71	72	26	19/38	f	11/50	Tr	TJR
659		204	223	409	446	236	212	157	104	72	71	23	19/37	m	11/50	Tr	TJR
686		200	226	421	453	220	226	168	109	74	73	25	20/38	m	11/50	Tr	TJR
728		219	248	448	497	264	234	186	115	74	77	28	19/37	f	11/50	Tr	TJR
767	24	236	265	490	521	255		201	123	90	90	29	20/37	f	2/48		MBS
782	23	239	263	488	542	281		196	126	95	90	29	19/36	f	2/48		MBS
786	25	234	270	493	535	261		198	130	90	87	28	20/39	f	2/48		MBS
795	25	243	273	505	540	270		194	130	100	93	29	20/37	m	2/48		MBS

Table 61. Skipjack from the Central Equatorial Pacific: Phoenix Islands

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
480	4	140	158	286	323	171	165	111	71	47	44	22	18+40	f	7/50	Tr	KY
481	5	145	159	291	320	158	154	121	77	47	44	22	20+41	f	2/50	Tr	JWR
500	5.5	155	172	305	333	170	180	124	84	56	56	24	18+37	m	7/50	Tr	KY
529	6	163	183	322	351	183	179	127	84	60	55	25	21+41	m	7/50	Tr	KY
549	7	159	187	333	366	171	199	129	84	58	51	23			8/50	Pl	KY
578	5	179	207	368	395	198	192	139	94	61	59	27	19+38	m	11/52	Ll	III
609	10	183	207	373	403	208	211	145	98	65	62	26			8/50		KY
657	12 1/2	197	215	393	444	236	231	161	103	73	70	28	18+37	f	2/50	Tr	JWR
666	13	201	222	409	447	224	211	165	115	71	68	29	20+39	f	3/52		GIM
739		229	254	471	507	264	245	196	127	92	84	39	18+38	m	6/51	Tr	FCJ
756	18	228	257	473	511	261	248	190	125	75	72	27	19+41	f	8/50	Tr	JER
760	23	229	258	477	512	254	249	191	128	99	85	30	19+37	m	11/52	Ll	III
771	23	224	253	483	520	246	266	189	114	85	83	27	18+39	m	11/52	Ll	III
772	21 1/2	235	259	482	517	254	254	196	121	89	84	29	19+40	m	3/52	Ll	TO
774	20 1/2	234	264	486	524	254	262	194	131	91	90	29	18+39	f	3/52	Ll	TO
780	23	235	272	500	534	257	256	188	134	96	86	29	17+39	m	11/52		TO
781	24	236	268	481	526	265	262	200	137	86	86	31	21+38	m	2/50	Tr	MBS
783	24	233	268	486	526	267	263	195	136	93	91	37	20+37	m	2/50	Tr	MBS
785	23	229	262	488	532	255	269	188	129	85	85	27	19+41	f	11/52		TO
785	24	244	273	500	538	265	260	195	136	91	89	30	19+39	f	11/52	Ll	
785	24 1/2	236	259	488	522	265	259	196	122	91	100	29	18+38	f	2/50	Pl	JWR
787	25	235	264	493	536	260	270	197	127	95	94	30	19+39	f	11/52	Ll	III
789	25 1/2	240	269	494	533	263	262		132	94	94	30	18+39	m	2/50	Pl	MBS
791		241	270	485	537	266	268	194	137	92	90	32	22+40	f	6/51	Tr	FCJ
795	25 1/2	240	268	502	538	267	260	208	136	90	87	32		m	3/52	Ll	RS
807	26	246	270	497	545	270	259	199	127	89	91	31	19+36	m	11/52	Ll	III

Table 62. Skipjack from the Western Equatorial Pacific: Eastern Marshalls

775	25	233	259	487	528	256	266	197	129	90	91	30	20+39	m	2/52	Ll	GIM
762	22	233	259	481	524	254	252	192	129	91	87	30	21+41	m	2/52	Ll	TO

Table 63. Skipjack from the Western Equatorial Pacific: Western Marshalls

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
407	2.5		137	250	274	137		93	67	34	32	20			*/47		JCM
430	3.5	128	139	264	287	145		102	65	39	38				*/47		JCM
432	3	125	143	267	287	139		103	62	36	37	21			*/47		JCM
436	4	132	148	272	295	144		107	68	36	35	20			*/47		JCM
437		131	145	266	295	148		101	70	39	41	21			*/47		JCM
441	3.5	131	150	275	297	146		108	70	38	39	22			*/47		JCM
442	4	132	144	272	294	149		107	67	38	38	21			*/47		JCM
448	4	133	153	279	307	155		107	66	40	39	22			*/47		JCM
449	3.5	131	151	278	299	147		104	70	39		22			*/47		JCM
450	3.5	136	147	273	306	151		106	70	40	38	22			*/47		JCM
451		132	150	278	305	148		100	68	39	36	21			*/47		JCM
455	4	135	148	282	306	152		108	68	40	39	21			*/47		JCM
458	4	138	157	287	311	155		112	71	40	39	20			*/47		JCM
459	4	134	150	279	308	158		111	67	41	38	21			*/47		JCM
460	6.5	137	163	282	309	154		107	68	37	38	21			*/47		JCM
463	4	137	154	291	312	160		109	72	42	40	22			*/47		JCM
464	4.5	140	154	283	314	157		103	74	43	41	23			*/47		JCM
465	4	136	153	283	309	256		109	71	40	40	21			*/47		JCM
466	4	136	155	289	310	155		110	70	39	38	21			*/47		JCM
468	4	137	157	288	312	158		107	74	43	39	23			*/47		JCM
470	5	139	160	287	312	156		114	73	40	43	21			*/47		JCM
474	5	146	165	295	320	158	159	132	74	47	46	22		f	5/51	L1	TO
475	5	142	160	293	313	157		121	77	41	40	23			*/47		JCM
481	4.5	142	160	296	322	162		116	72	42	42	22			*/47		JCM
482	4.5	145	166	302	330	162		107	74	41	44	22			*/47		JCM
488	5	143	163	303	324	157		124							*/47		JCM
514	6	155	175	322	352	172		130	78	47	47	24			*/47		JCM
532	7	159	182	333	367	181		134	89	54	53	24			*/47		JCM
540	7.5	163	182	340	366	163		138	88	50	50	25			*/47		JCM
544	7	162	186	345	376	181		137	85			24			*/47		JCM

*From July 19 to August 26.

Table 63. Skipjack from the Western Equatorial Pacific: Western Marshalls (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
548		194		377		182	184	139	86	56	52	24		f	5/51	Ll	TO
552	7.5	165	18[illegible]	346	377	190		137	90	52	56	24			*/47		JCM
559	7.5	169	188	350	382	190		134	90	55	55	26			*/47		JCM
559		170	194	346	375	185	184	139	89	59	53	27	20/38	f	7/51	Ll	WVC
560	8	176	195	352	383	191		141	90	53	52	27			*/47		JCM
561		169	198	352	391	183	197	142	97	61	62	24		m	5/51	Ll	TO
570	8.2	172	194	357	389	195		144	88	54	54	26			*/47		JCM
572	9	176	196	364	395	195		145	93	53	55	26			*/47		JCM
587		183	206	365	390	196	192	150	93	68	67	27	20/39	m	7/51	Ll	WVC
588	10.5	181	204	372	405	198		158	94	54	55	27			*/47		JCM
592		179	202	373	401	199	196	146	101	[illegible]4	62	26		m	5/51	Ll	TO
593		182	209	379	406	193	207	159	99	69	66	25		f	5/51	Ll	TO
593		183	203	368	390	201	184	148	100	74	66	26	19/37	m	7/51	Ll	WVC
598	10	180	200	372	412	201		149	98	59	59	27			*/47		JCM
602	9.8	188	216	377	407	202	199	156	92	63	63	27	17/35	f	8/51	Ll	WVC
615	[illegible]0	192	220	391	419	205	203	158	104	70	68	28		f	5/51	Ll	TO
619	9	190	219	390	425	202	215	151	97	69	70	27		f	5/51	Ll	TO
632		191	219	394	423	210	209	173	102	67	65	26		m	5/51	Ll	TO
633		195	223	403	427	209	210	163	103	74	69	25		m	5/51	Ll	TO
633		197	220	390	419	214	197	159	97	68	63	28	19/38	m	7/51	Ll	WVC
635		199	222	392	436	210	215	160	106	74	71	30		f	5/51	Ll	TO
638		188	220	395	426	210	210	164	101	75	68	26	20/38	f	7/51	Ll	WVC
641		203	226	414	443	217	218	162	108	74	71	27		m	5/51	Ll	TO
642	13.5	193	220	399	436	213		166	108	70	69	27			*/47		JCM
642		194	226	405	432	215	217	166	108	70	73	27		m	5/51	Ll	TO
644		195	221	404	436	215	216	165	100	70	63	27	19/42	m	7/51	Ll	WVC
652		197	222	408	434	212	214	162	102	68	68	28		m	5/51	Ll	TO
656	14	200	222	410	442	217		163	110	70	71	28			*/47		JCM
657		206	238	419	443	220	212	175	107	72	69	30		f	5/51	Ll	TO
659	13 1/4	198	231	410	442	214	226	172	109	79	74	27	19/37	m	7/51	Ll	WVC

*From July 19 to August 26.

Table 63. Skipjack from the Western Equatorial Pacific: Western Marshalls (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	Nr. Gill Rakers	Sex	Month and Year	Gear	Examiner
660		201	228	413	444	217	221	169	111	74	73	26		m	5/51	L1	TO
664	14	202	230	419	447	225		169	103	67	66	27			*/47		JCM
669		202	234	420	450	219	223	170	109	74	72	28	19/36	m	7/51	L1	WVC
670		206	234	428	461	224	225	176	109	71	76	28		f	5/51	L1	TO
672	14	203	227	426	464	225		167	107			26			*/47		JCM
675	14	199	225	422	460	224		160	108	69	69				*/47		JCM
682	15	207	233	434	462	223		167	112	71	69	25			*/47		JCM
686	16	211	236	433	465	227	232	181	112	82	81	28	17/38	m	8/51	L1	WVC
698	16.5	209	235	442	479	232		173	116	76	74	27			*/47		JCM
708	17 1/2	214	246	445	478	232	238	180	115	84	80	27	19/40	f	9/51	L1	WVC
718	17	216	236	448	487	288		177	125	81	78	30			*/47		JCM
720	18.5	220	244	451	497	238		188	121	85	82	29			*/47		JCM
732	18.5	220	286	449	494	239		181	120	77	74	30			*/47		JCM

Table 64. Skipjack from the Western Equatorial Pacific: Eastern Carolines

535		161	180	330	357	173	174	136	85	52	51	21	21/39	m	4/51	L1	TO
541		168	192	337	363	184	175	135	87	62	60	26			8/50	L1	BMS
546		162	183	327	356	179	177	137	83	50	46	25	19/38	f	5/51	L1	TO
549		168	192	345	372	182	174	136	88	62	60	26		m	5/51	L1	TO
550		171	197	343	370	186	174	130	84	55	52	28		m	4/51	L1	TO
552	7.3	171	196	344	371	189	186	138	89	59	56	27	18/35	f	6/51	L1	WVC
553		168	189	342	369	185	175	133	88	61	51	23		f	4/51	L1	TO
553		170	187	342	375	186	183	135	91	56	59	24			8/50	L1	BMS
557		169	200	354	374	184	182	138	88	55	55	24		f	4/51	L1	TO
561		173	196	354	376	183	184	138	91	60	59	25		m	4/51	L1	TO
573		180	205	358	389	191	192	146	95	65	61	25			4/51	L1	TO
581		179	205	365	396	195	185	149	98	60	60	28		m	4/51	L1	TO
582	8.6	180	280	364	396	220	196	150	91	68	63	28	19/38	m	6/51	L1	WVC
583	8.8	175	202	358	387	193	191	142	95	66	59	25	19/38	m	6/51	L1	WVC
583		183	205	364	393	193	195	151	100	75	59	25		f	4/51	L1	TO

*From July 19 to August 26.

Table 64. Skipjack from the Western Equatorial Pacific: Eastern Carolines (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
583		180	206	367	394	194	191	144	95	62	62	26		m	4/51	L1	TO
589		179	208	371	398	193	200	145	93	65	66	26			4/51	L1	TO
590		178	207	373	400	195	201	152	96	64	61	26		f	4/51	L1	TO
608	10 1/4	185	210	376	405	197		156	97	69	67	26	18/36	m	6/51	L1	WVC
608		186	212	384	412	201	[illegible]	149	100	70	69	25		f	5/51	L1	TO
609		187	221	388	419	205	200	154	98	67	61	26		f	5/51	L1	TO
616	10 3/4	189	220	384	411	202	205	159	100	72	69	27	18/40	f	6/51	L1	WVC
617		187	208	389	415	205	197	155	100	70	66	24			4/51	L1	TO
621		192	216	387	412	204	196	162	102	70	71	27		m	5/51	L1	TO
622		190	213	393	417	209	199	162	99	66	65	26		m	5/51	L1	TO
624	11 1/4	191	216	393	419	207	207	158	104	77	72	27	18/39	m	6/51	L1	WVC
636	13	195	224	399	429	209	216	168	108	80	75	27	17/36	m	6/51	L1	WVC
638	12 3/4	195	221	405	432	212	218	170	106	78	74	26	18/34	m	6/51	L1	WVC
645		198	220	401	435	214	210	160	105	70	70	26	20/36	m	5/51	L1	TO

Table 65. Skipjack from the Western Equatorial Pacific: Central Carolines

522	6	159	184	330	352	167	189	123	81	51	50	22		f	4/51	L1	TO
530	7	170	184	333	361	182	179	130	81	59	57	22		m	4/51	L1	TO
531		163	193	348	369	173	179	134	85	53	54	26		m	4/51	L1	TO
544		169	194	345	380	193	180	133	85	63	54	29	18/38		6/50	L1	BMS
545		173	191	345	382	200	176	141	92	62	54	26			6/50	L1	BMS
551	7	172	198	350	366	186	177	135	88	57	55	26		m	4/51	L1	TO
569		169	194	350	378	185	181	135	89	61	58	25		f	4/51	L1	TO
571	8	180	209	360	391	195	184	136	96	60	59	28		f	4/51	L1	TO
577	8	178	209	370	388	189	185	142	96	61	59	24		f	4/51	L1	TO
590		181	205	365	400	197	199	151	101	66	63	25		m	4/51	L1	TO
603		185	216	380	410	203	197	162	98	63	60	21		f	4/51	L1	TO
615	12	191	218	392	424	210	210	161	101	66	65	28		f	4/51	L1	TO
799		240	270	501	550	270	270	201	137	105	98	29			6/50	L1	BMS

Table 66. Skipjack from the Western Equatorial Pacific: Western Carolines

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Anl. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
498	5	146	162	303	333	164		121	75	45	37	21	19/37	m	5/48		ORS
496	4	150	169	307	333	168		123	80	46	45	23	18/37	m	5/48	Pl	ORS
517	4	161	177	330	353	180		140	80	50	52	23	19/35	m	5/48		ORS
525	6	157	183	329	351	176		125	78	45	40	23	18/37	m	5/48		ORS
529	7	160	183	333	357	179		133	80	46	48	23	19/37	m	5/48	Pl	ORS
533	6.5	161	179	332	359	180		132	86	48	48	24	19/38	m	5/48	Pl	ORS
536	7.6	163	187	337	366	185		134	82	48	47	25	18/38	f	5/48	Pl	ORS

Table 67. Skipjack from the Northeastern Pacific

506	4 1/2	149	68	309	334	165		122	78	46	43	24	18/38	m	12/50	Tr	HHE	a
507	6 1/2	156	171	313	341	167		134	79	49	46	21	18/39	m	5/49		GWM	b
536	6 1/2	161	182	332	349	180		124	78	49	49	22	18/39		5/49	Pl	GWM	b
554	8	167	183	350	378	195		139	87	50	49	23	19/41	m	5/47			c
579	8	172	191	356	389	199		137	88	53	52	15	20/37	f	9/52	Tr	JCM	b
599	11	178	203	372	399	194		155	92	57	58	24	19/40		5/49		GWM	b
621	11	195	214	398	428	214		152	101	61	56	24	17/37	m	5/47			c
631		190	208	395	427	207		161	98	65	62	26	18/38	m	5/49	Pl		b
640	13 1/2	197	220	403	425	214		162	101	70	66	26	19/38	f	5/49	Pl		b
669	15	201	234	418	454	227		171	108	70	69	26	18/38		5/49		GWM	b

a. Southwest of Balenas Bay, Baja, California
b. Off Guatemala
c. Off Costa Rica

Table 68. Skipjack from the North Central Pacific: Hawaiian Islands

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
207	.29	58	68	125	138	63		50	22	13	12	7	30/43		7/49		KY
240	.43	66	76	143	154	76	75	53	28	14	16	12			12/51	Pl	III
240	.43	67	77	140	159	75			29	15	16	13			12/51	Pl	III
247	.45	66	76	143	161	77	82	44	31	16	15	12			12/51	Pl	HY
260	.56	73	83	152	170	81		57	32	20	16	13			12/51	Pl	III
265	.64	77	91	161	175	86	85	63	34	17	17	14			10/51	Pl	FCJ
326	1.5	94	113	204	217	105		83	44	23	26	16	18/38		4/49	Pl	KY
327	1.5	95	108	197	217	106		85	43	28	25	16	18/39	m	4/49	Pl	FCJ
330	1.5	97	111	204	226	109		80	48	25	23	15	18/39	m	4/49	Pl	FCJ
336	1.5	95	111	203	221	106		82	46	26	25	16	18/39	m	5/49		FCJ
356	1 3/4	106	121	214	237	119		91	50	32	30	17	18/36		7/49	Pl	HBE
358	2	105	121	219	237	119		94	50	29	30	17	19/39		7/49	Pl	HBE
358	2	107	122	215	236	119		96	56	31	30	17	18/36	m	7/49	Pl	HBE
360	2	106	123	221	239	119		92	50	31	28	17	19/37	m	5/49		KY
362	2	105	125	217	239	118		94	46	32	29	17	17/38		7/49	Pl	HBE
367	2	106	120	222	245	118		89	55	34	27	17			5/49	Pl	KY
371	2 1/2	110	131	229	246	123		95	52	39	33	18	19/35	f	9/49	Pl	HBE
375	2	107	126	224	251	124		93	52	34	30	17	18/38	m	7/49	Pl	HBE
381	2	110	126	232	254	125		99	55	32	38	17	18/28	f	5/49	Pl	FCJ
385	2 1/2	113	134	236	255	127		100	55		31	18	21/35	m	7/49	Pl	HBE
387	2 1/2	115	139	235	256	125		97	56	38	35	17	19/37		9/49	Pl	HBE
395	2.5	105	120	243	268	118		98	58	32	24	17	9/30	f	7/49	Pl	HBE
395	2.5	116	135	238	265	129		97	60	39	35	18	18/39		9/49	Pl	HBE
406	3	121	138	245	274	133		106	57	36	32	18	19/38	m	7/49	Pl	HBE
409	3	120	140	250	274	136			58	38	35	20	17/35	f	6/49	Pl	HBE
409	4.5	133	150	282	310	151		112	69	37	35	22	17/39	f	8/48		HHE
410	2 3/4	120	137	247	270	135		100	61	39	38	29	18/38		9/49	Pl	HBE
410	3	127	144	252	276	138		113	58	32	30	20			8/48		HHE
413	3.5	124	140	254	275	137		108	61	30	27	21	20/39	f	9/48		HHE
420	3 1/2	123	140	256	283	141		106	62	40	37	19	18/36	f	7/49	Pl	HBE

Table 68. Skipjack from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
427	4.5	127	141	263	282	144		118	64	33	33	21	18/38	m	9/48	Pl	HHE
428	3.5	127	145	262	283	141		105	63	43	40	20	18/38	m	7/49	Pl	HBE
428	4	126	147	222	281	143		107	65	32	33	20		f	8/48		HHE
429	3 1/2	127	146	260	292	145		110	65	42	38	20	17/39	f	7/49	Pl	HBE
431	3 1/2	129	153	269	292	140		113	65	45	37	20	17/39	f	5/49		FCJ
434	3 1/2	128	145	263	288	144		109	61	39	36	19	14/38	f	6/49	Pl	KY
434	3 3/4	126	151	265	291	139		109	66	38	36	21	19/40	m	6/49	Pl	KY
434	4	130	144	263	289	145		104	67	34	30	21	17/40	m	9/48		HHE
435	1.8	125	152	267	281	138		115	64	40	37	18	18/37	m	5/49		FCJ
436	4	126	151	269	291	140		116	59		41	20	18/40	f	6/49	Pl	HBE
441	4	129	151	274	294	147		105	65	34	34	21	19/41	f	9/48		HHE
446	3.5	127	153	275	299	141		110	65	40	38	19	19/38	m	4/49		FCJ
448	4	134	153	274	300	147		114	66	42	42	21			5/49	Pl	KY
453	4	135	151	272	296	153		116	72	39	37	22	20/37	m	8/48	Pl	HHE
456	4	133	154	280	302	149		105	70	38	35	23	18/35	f	9/48		HHE
456	4.5	137	157	279	303	151		117	68	48	43	20	21/39	f	7/49	Pl	HBE
457	4	137	160	286	301	151		118	71	44	43	21	17/39	m	4/49		FCJ
459	4 1/2	135	161	286	308	151		121	67	45	40	21	18/38	m	5/49	Pl	FCJ
459	5	139	160	288	303	154		118	76		37	23	20/42	m	9/48		HHE
460	4.5	135	162	281	311	160		121	71	44	39	21	19/39	m	5/49		FCJ
463	5.5	140	161	289	301	150		116	73	38	37	21	19/41	f	8/48	Pl	HHE
466	4 3/4	140	163	288	311	153		115	67	46	43	23	18/36	f	9/49	Pl	HBE
467	5	137	159	287	316	154		117	70	47	42	21	20/38	f	6/49	Pl	KY
468	4.5	136	154	284	320	152		126	70			20	18/37	m	4/49		FCJ
470	5	140	168	297	319	154		120	71	43	42	22	20/39	m	5/49		FCJ
470	5.5	139	154	288	313	153		117	72	38	33	22	18/38	m	9/48		HHE
473		141	159	298	320	159		115	72	42	43	20	18/38		5/49	Pl	KY
473	5	138	159	288	317	154		122	68	41	40	21	19/38	f	5/49		FCJ
474	5	142	167	289	316	160		121	73	41	44	21	19/39	m	5/49	Pl	KY
476		140	157	289	322	158		119	69	44	40	22			5/49	Pl	KY

Table 68. Skipjack from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Int.	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
478	5	140	166	293	321	154		122	72	47	44	21	18/37	m	6/49	Pl	KY
479	4.5	144	165	294	326	169		123	72	45	45	20	18/40	m	4/49		FCJ
482	5	141	163	295	323	154		130	72	44	44	18	17/37	f	5/49		KY
484	5	141	166	297	323	157		127	68	46	44	20	19/40	f	5/49		FCJ
485	5	148	173	301	316	161		124	74	46	45	21	19/36	m	5/49	Pl	KY
485	5 1/4	142	166	297	329	159		127	75	50	44	21	19/43	m	6/49	Pl	KY
485	6	140	163	302	325	161		123	75	39	39	23	18/37	m	8/48	Pl	HHE
487	6	143	165	303	325	160		130	75	40	33	23	19/39	m	9/48		HHE
489	5.5	144	167	302	334	161		123	74	43	42	22	19/42	f	5/49		FCJ
489	6	145	168	300	329	161		131	71	48	48	22	18/39	m	6/49	Pl	HBE
490	5.5	149	175	305	338	162		133	75	43	47	22	18/39	m	4/49		KY
492	5.5	149	170	304	328	165		121	75	38	36	24	19/38	m	8/48		HHE
493	5 1/2	145	171	301	328	160		126	72	47	44	21	19/36	f	5/49		FCJ
496	6	149	172	304	332	165		127	76	52	52	21	21/39	m	7/49	Pl	HBE
497	5	148	173	309	335	169		125	75	43	39	24	18/36	f	8/48		HHE
497	5	150	170	307	336	170		119	69	41	38	22	20/38	f	2/48	Tr	MBS
504	6	150	173	311	332	162		126	77	46	43	22	17/39	m	8/48	Pl	HHE
505	5 1/4	152	168	310	334	166		118	77		48	21	18/38	m	7/49	Pl	KY
508	6	152	171	317	348	170		129	76	54	50	22	19/41	m	8/49	Pl	HBE
514	6.5	151	174	313	347	170		132	74	50	51	23	19/38	m	8/49	Pl	HBE
514	7	158	179	320	348	173		144	84	57	53	22	20/40	m	6/49	Pl	HBE
516	6.5	153	178	317	352	173		133	75	56	51	23	19/40	f	8/49	Pl	HBE
516	6.5	153	181	323	349	164		130	77	50	45	23	20/40	f	5/49		FCJ
518	6 1/4	159	176	316	349	178		132	75	54	53	23	20/40	m	7/49	Pl	HBE
519	6.5	153	177	320	344	170		130	78	53	50	22	18/37	m	8/49	Pl	HBE
519	7	153	172	316	347	170		133	83	47	41	23	21/40	m	9/48		HHE
523	7	157	179	321	351	173		139	89	51	46	22	18/40	f	5/49		FCJ
524	6 1/2	155	180	321	354	174		131	80	55	53	24	21/39	m	7/49	Pl	HBE
530	7	153	175	325	356	174		124	79	46	42	25	18/38	m	8/48	Pl	HHE
531	7	155	180	330	360	175		134	82	55	51	24	17/38	f	6/49	Pl	KY

Table 68. Skipjack from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
533	7	154	181	322	356	176		140	77	62	55	22	19/39		7/49	Pl	HBE
533	7.5	158	180	338	360	173		140	81	51	51	22	19/37	f	5/49		KY
536	7.5	159	180	327	360	177		139	84	60	57	24	19/37	f	7/49	Pl	HBE
540	7.5	159	187	333	363	179		142	82	57	52	23	18/37	f	8/49	Pl	HBE
540	8	159	177	330	362	184		141	85	48	47	22	18/41	m	9/48		HHE
545	7	158	184	332	366	176		138	80	61		23	21/40	m	7/49	Pl	HBE
546	6	154	175	317	347	171		130	76	55	51	23	18/40	m	6/49	Pl	HBE
549	8½	161	187	339	368	180		142	83	56	56	23	20/43	m	6/49		KY
552	8	163	190	344	371	182		142	85	60	60	25	19/39	f	8/49	Pl	HBE
559	9	168	190	347	380	186		151	89	53	51	23	18/38	m	5/49	Pl	HBE
560	8½	163	191	339	372	185		145	85	63	56	23	20/38	m	7/49	Pl	HBE
565	9.5	165	191	355	387	190		143	90	54	51		19/36	m	9/48		HHE
566	8	172	194	355	379	196	182	146	95	57	56	25	18/36	m	1/50	Tr	MBS
568	9	169	198	352	389	187		152	87	62	56	21	19/37	f	5/49	Pl	KY
570	8¼	170	196	357	386	190	188	138	90	59	58	24	18/40	m	1/50	Tr	MBS
574	10	175	198	355	391	193		154	92	66	65	25	20/39	m	9/49	Pl	HBE
581	10	172	198	359	403	191		152	95	61	60	22	19/40	m	5/49		KY
584	9½	173	201	360	387	189		146	87	64	60	24	20/39	m	9/49	Pl	HBE
589	11	179	208	372	402	198		155	92	65	62	25	17/38	f	5/49		KY
596	11	177	206	370	405	199		166	90	59	59	23	19/39	m	5/49		FCJ
611	9½	178	208	381	412	196		154	92	63	61	24	18/38	f	5/49	Pl	KY
611	11	180	208	377	415	197		162	94	67	63	23	18/36	f	8/49	Pl	HBE
613	10	182	216	379	408	210	195	152	95	67	65	24	17/40	f	2/50	Tr	JWR
618	12	188	219	385	426	206		169	98	70	69	23	18/38	f	8/49	Pl	HBE
620	12½	186	213	386	421	204		174	95	73	67		20/37	f	8/49	Pl	HBE
633	11½	189	215	394	430	209		168	100	73	71	26	19/38	f	8/49	Pl	HBE
638	12½	192	227	395	436	213		175	97	73	73	25	19/38	f	8/49	Pl	HBE
639	14¼	195	223	399	438	218		168	106	77	73	26	19/39	m	6/49	Pl	KY
640	12	195	220	398	434	217		167	103	73	69	26	20/39	m	8/49	Pl	HBE

Table 68. Skipjack from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Eye	No. Gill R.	Sex	Month and Yr.	Gear	Examiner
643	15	192	222	397	431	214		174	108	77	72	26	21+39	m	8/49	Pl	HBE
652	13½	194	227	408	443	214		171	108	80	81	26	20+39	m	8/49	Pl	HBE
660	15	193	222	407	444	215		165	105	75	70	24	19+37	m	5/49		KY
661	15¼	201	236	418	452	222		172	108	75	72	27	19+38	f	6/49	Pl	KY
670	16½	199	232	413	447	219		171	106	77	72	25	18+40	f	5/49		FCJ
672	16½	199	226	421	468	220		180	107	77	73	27	19+37	f	7/49	Pl	HBE
678	17	203	235	428	471	223		175	109	83	72	26	19+39	f	5/49		FCJ
686	15	207	236	425	457	226		177	110	86	82	26	21+40	m	8/49	Pl	HBE
687	17½	206	238	432	467	228		184	116	80	80	26	18+38	m	6/49	Pl	HBE
690	17½	200	232	427	472	226		184	106	74	72	26	19+39	f	5/49	Pl	KY
691	17¼	205	236	428	469	226		181	105	77	77	26	20+38	m	6/49	Pl	FCJ
692	16½	202	235	425	462	226		181	107	82	80	26	21+39	f	7/49	Pl	HBE
692	18	208	243	435	471	232		181	112	81	79	25	20+40	f	6/49	Pl	KY
693	20	213	244	432	459	223		193	114	90	85	26	17+38	m	6/49	Pl	KY
695	18	204	225	428	474	229		180	106	80	73	26	20+43	f	5/49		FCJ
695	18	204	244	441	469	224		182	110	87	82	26	19+37	m	7/49	Pl	HBE
696	18¾	217	244	427	462	231		192	116	86	82	28	19+40	m	6/49	Pl	HBE
699	17	210	241	442	470	231		179	112	85	79	26	19+39	m	7/49	Pl	HBE
700	18	209	240	432	469	234		182	111	81	74	26	18+38	f	6/49	Pl	KY
700	18¼	208	241	441	472	237		179	119	81	78	24	18+36	f	6/49	Pl	KY
700	19	209	237	428	467	228		185	116	84	79	26	20+38	m	7/49	Pl	HBE
701	18	209	241	434	463	231		180	109	83	81	26	22+38	m	6/49	Pl	KY
702	19	214	239	443	483	231		190	116	86	78	25	19+39	f	6/49	Pl	FCJ
703	18	211	246	435	478	234		184	111	88	83	27	19+38	f	7/49	Pl	HBE
705	17½	210	253	445	473	233		181	112	78	81	26	19+40	f	6/49	Pl	KY
705	18	207	247	444	476	227		175	111	84	78	27	21+39	m	6/49	Pl	KY
707	18.5	208	236	437	476	232		181	109	80	77	27	20+39	m	6/49	Pl	FCJ
708	18½	212	247	441	471	235		183	115	93	87	26	19+40	f	7/49	Pl	HBE
709	20½	211	239	443	474	227		190	118	82		27	18+39	f	5/49	Pl	KY
710	19	216	240	437	470	234		181	118	90	86	26	18+37	m	6/49	Pl	KY

Table 68. Skipjack from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to 1st Dorsal	Snout to 2nd Dorsal	Snout to Tip of Anal	Snout to Ventral	Fork Length to Ant. Tip of Ventral	Greatest Body Depth	Length Pectoral	Height 1st Dorsal	Fin-fold Anal	Distance Btn. Dorsals	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
710	20¼	216	251	448	485	238		191	117	80	76	25	18/38	m	6/49	Pl	KY
712	18.5	212	240	448	481	235		184	109	84	78	26	18/36	m	6/49	Pl	FCJ
713	18½	212	252	455	482	231		185	115	77	77	27	19/38	m	6/49	Pl	KY
713	19½	211	241	442	481	233		189	110	78	78	27	18/37	m	6/49	Pl	FCJ
715	19	215	249	443	469	227		182	115	86	80	25	20/40	f	6/49	Pl	KY
715	19¾	214	249	454	480	237		190	115	85	83	26	20/37	f	6/49	Pl	KY
716	19.5	206	241	447	478	225		184	114	74	75	26	22/42	m	5/49	Pl	KY
719	18.5	215	250	445	480	235		185	111	85	82	25	18/35	f	6/49	Pl	HBE
720	18	212	244	445	485	235		182	112	82	84	25	19/40	f	6/49	Pl	KY
720	18½	208	243	437	481	231		182	115	90	86	26	19/39	m	7/49	Pl	HBE
722	20	218	255	456	487	240		183	116	92	87	28	21/39	f	6/49	Pl	KY
723	19	211	249	453	489	235		184	116	87	84	27	18/40	f	6/49	Pl	HBE
723	19½	211	240	445	485	238		192	116	87	82	28		f	6/49	Pl	HBE
723	20½	209	247	451	480	231		185	122	84	80	26	19/38	m	6/49	Pl	KY
723	21	214	250	446	491	234		190	116	87	83	28	18/40	f	10/49	Pl	JWR
725	20	215	251	449	491	236		195	120	85	86	27	19/38	m	6/49	Pl	HBE
727	21½	217	252	459	491	238		201	126	75	77	27	19/36	f	5/49	Pl	HBE
728	20	217	249	456	498	242	247	183	120	85	80	27	21/39	f	10/52		TO
729	20½	217	249	448	486	240		191	118	99	88	26	21/40	m	7/49	Pl	HBE
729	20.5	223	265	463	491	245		195	114	86	77	27	19/41	f	6/49	Pl	HBE
738	21½	225	259	456	504	243		187	112	79	78	27	19/38	m	5/49	Pl	HBE
739	21½	223	257	464	499	247		194	119	92	79	27	18/41	m	6/49	Pl	HBE
743		221	257	468	504	247		182	123	79	74	26		m	1/48	Tr	MBS
746	20½	221	252	460	510	247		194	116	87	85	27	19/36	m	6/49	Pl	KY
747	23	219	250	464	511	246		198	117	85	82	28	18/37	f	5/49	Pl	KY
747	23¼	226	251	457	510	249		200	122	89	83	27	20/40	f	6/49	Pl	KY
749	23¼	226	264	470	509	251		201	122	87	82	28	21/40	f	6/49	Pl	KY
750	24	227	256	469	510	251		198	122		89	30			5/49	Pl	KY
752	22½	219	254	464	505	245		194	110	85	87	26	20/40	f	5/49		KY
754	21.5	221	249	464	514	246		189	116	79	81	27	18/38	f	6/49	Pl	FCJ

Table 68. Skipjack from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
754	22.5	219	248	469	506	243		197	117	86	84	26	19/36	m	5/49	Pl	KY
756	25	232	262	478	507	248		209	122	93	86	28	19/40	m	5/49		FCJ
757	24.5	224	261	481	527	247		206	118	89	80	28	19/40	f	5/49		FCJ
761	23	222	250	467	512	241		190	121	101	95	28	18/39	f	10/49	Pl	JWR
761	25	223	256	472	514	247		210	115	79	73	27	18/37	f	5/49	Pl	FCJ
762	23	223	259	468	507	246		197	123	95	90	27	19/36	m	6/49	Pl	KY
762	24.5	227	258	474	518	254		206	116	86	90	27	20/39	f	5/49		KY
765	26 1/20	234	269	487	528	252		212	125	94	89	29	20/42	m	5/49		FCJ
766	25 1/20	231	261	474	515	254		202	120	95	93	29	20/39	m	6/49	Pl	KY
767	21 4/20	225	264	481	510	244		192	128	91	90	29	18/38	f	6/49	Pl	KY
767	22 1/20	223	262	471	509	260		191	114	96	96	29	18/40	m	10/49	Pl	JWR
767	23.5	221	258	480	518	245		201	119	82	79	28	20/41	f	6/49	Pl	FCJ
771	24	232	265	482	520	255		194	124	93	89	28	19/39	m	6/49	Pl	KY
772	23	227	259	476	514	251		194	122	91	86	27	19/37	m	6/49	Pl	KY
772	25	228	257	480	527	251		201	125	93	89	30	18/39	f	5/49		FCJ
772	25 1/4	230	262	489	530	230		200	130	92	90	27	20/40	f	6/49	Pl	FCJ
774	25	229	265	486	523	252		206	124	93	87	28	18/38	m	6/49	Pl	FCJ
775	27 1/4	234	258	489	519	262		211	130	94	96	29	19/38	m	6/49	Pl	KY
777	26	227	263	482	521	255		205	119	90	90	28	19/41	f	6/49	Pl	FCJ
778	28 1/20	233	275	491	522	264		212	134	106	97	29	19/41	f	10/49	Pl	JWR
783	25	223	262	491	534	251							21/38		5/49		FCJ
783	25	231	259	487	540	232			131	89	88	28			5/49	Pl	HBE
784		242	273	494	536	266	264	203		101	89	32	18/37	f	10/52	Ll	III
785	26 1/20	237	264	494	544	264		210	126	102	98	28	18/40	m	5/49	Pl	KY
785	26.5	238	277	505	541	260		208	128	97	95	27	20/40	f	6/49	Pl	KY
785	27	236	269	500	544	259		207	124	97	92	29	20/43	f	6/49	Pl	HBE
786	27.5	233	273	490	541	258		211	129	90	82	29	18/37	m	5/49	Pl	FCJ
789	26	231	268	484	535	253		213	119	91	84	28			5/49	Pl	KY
791	27	231	269	489	534	255		210	121		91	28			5/49	Pl	HBE
792	26	234	269	490	532	259		202	129	90	90	28	19/38	m	5/49		KY

Table 68. Skipjack from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
793	26½	234	265	494	542	259			129	100	91	29			5/49	Pl	KY
794	27	234	265	492	537	262		207	130	94	91	28	20/39	m	5/49	Pl	FCJ
794	28½	240	268	493	541	265		220	132	100	103	29			9/49	Pl	HBE
795	28	236	274	488	533	263		215	125	101	96	30	20/41	m	6/49	Pl	HBE
797	28	232	269	496	534	255		208	123	107	96	29	19/39	m	6/49	Pl	KY
798	29	239	274	505	552	266		211	131	95	91	29	19/40	f	5/49		FCJ
799	27.5	235	266	500	542	260		207	128	92	81	29	19/41	m	5/49		FCJ
799	28	238	275	498	535	263		215	129	105	95	28	16/39	m	6/49	Pl	HBE
801	28	237	266	557	549	259		216	127	89	88	28	19/40	m	8/48		HHE
801	28	239	275	504	540	262		213	129	93	90	29	18/40	m	6/49	Pl	HBE
802	26.5	233	268	498	548	259		205	125	94	89	28	20/41	f	6/49	Pl	FCJ
806	29	236	274	509	552	264		219	121	89	88	27	19/37	m	5/49		KY
809	24½	240	276	493	531	269		206	120	98	90	30	21/38	m	7/49	Pl	HBE
814	28	232	272	507	548	257		217	124	87	86	28	18/37	m	5/49		FCJ
814	30¼	240	271	500	556	271		213	127	97	93	28	20/36	f	6/49	Pl	KY
816	26	244	269	503	549	270		209	133	101	97	28	21/40	m	7/49	Pl	HBE
819	29.5	245	279	507	555	271		212	130	95	99	29	19/40	m	6/49	Pl	HBE
820	29.5	243	281	510	559	274		209	137	104	98	29	17/42	m	6/49	Pl	HBE
820	30½	246	284	524	551	268		223	137	96	103	30	21/39	m	8/49	Pl	HBE
821	30	238	269	502	545	259		217	131	95	88	28			5/49	Pl	KY
826	25.5	248	288	522	554	276		227	132	103	94	30	20/41	m	6/49	Pl	FCJ
834	39	250	283	517	564	281		213	125	102	96	31	20/41	m	5/49	Pl	KY
835	31½	246	278	522	564	273		220	131	106	102	30	20/41	m	6/49	Pl	HBE
845	32	253	285	519	578	282		218	135		100	30	19/38	f	6/49	Pl	HBE
877	35	260	285	542	588	287		231	143	103	110	31	22/39	f	8/49	Pl	HBE

Table 69. Skipjack from the Northwestern Pacific: Marianas

421	3	124	142	258	283	138		108	63	36	35	20			6/49		FCC
423	3.2	127	144	259	292			107		35	34	19			6/49	Pl	FCC
427	3.4	129	148	263	281	137		112	65	36	36	20			6/49	Pl	FCC
429	3.3	126	148	267	286	138		111	62			20			6/49	Pl	FCC
429	3.4	127	141	261	287	139		112	70	37	35	20			6/49	Pl	FCC

Table 69. Skipjack from the Northwestern Pacific: Marianas (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
430	3[illegible]	127	148	268	285	140		109	64			20			6/49	Pl	FCC
431	3.2	128	148	265	283	142		106	65	36	37	21			6/49	Pl	FCC
435	3.1	128	147	264	289	142		104	66	36	36	20			6/49	Pl	FCC
436	3.5	134	147	269	293	147		114	65	36	35	21			6/49	Pl	FCC
439	3.3	132	150	273	297	147		104	66	38	36	19			6/49	Pl	FCC
440	3.5	131	149	272	298	146		113	67	38	39	20			6/49	Pl	FCC
441	3.4	133	151	271	296	148		107	69	37	36	21			6/49	Pl	FCC
443	3.6	131	150	275	301	146		109	69	37	40	21			6/49		FCC
444	3.5	133	148	271	299	147		110	68	37	37	20			6/49	Pl	FCC
444	3.6	133	152	275	298	147		113	70	41	38	22			6/49	Pl	FCC
446	3.6	132	151	277	297	144		112	69	39	36	21			6/49	Pl	FCC
446	3.6	133	151	277	299	148		114	66	40	38	20			6/49	Pl	FCC
446	3.8	136	156	279	294	144		110		39	37	19			6/49	Pl	FCC
447	3.4	135	155	278	298			110		40	39	22			6/49	Pl	FCC
451	3.6	135	148	275	303	149		113	[illegible]	41		21			6/49	Pl	FCC
452	3.6	134	152	279	306	148		112	69	38	38	20			6/49	Pl	FCC
453	3.7	134	153	280	306	149		113	72	41	42	21			6/49	Pl	FCC
456	3.8	134	151	280	304	151		114	67	41	39	20			6/49	Pl	FCC
456	3.8	135	155	283	308	149		114		39	38	21			6/49	Pl	FCC
456	4.3	143	159	288	302	152		128	71	42	42	22			6/49	Pl	FCC
459	3.7	135	154	282	307	151		109	65			20			6/49	Pl	FCC
459	4.1	138	159	286	306	153		116	71		41	21			6/49	Pl	FCC
459	4.1	140	156	284	308	153		118	69	42	41	21			6/49	Pl	FCC
468	4.1	140	157	288	319	156		116	68	44	42	22			6/49	Pl	FCC
474	4.4	143	161	289	317	159		119	74	45	44	22			6/49	Pl	FCC
479	4.4	149	166	296	320	160		117	81	47	44	23			6/49	Pl	FCC
481	4.3	146	166	299	330	161		119	78	46	45	23			6/49	Pl	FCC
499	6	147	168	307	331	165		132	78	47	48	22			3/49	Tr	MBS

Table 70. Skipjack from the Northwestern Pacific: Japan

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
436	3.6	125	145	267	288	140		113	61	43	43	19	18/38		5/49	Pl	BMS
436	3.7	128	148	270	295	141		108	59	44	40	19	21/36		5/49	Pl	BMS
439	4.0	132	150	267	291	145		113	59	44	43	20	17/34		5/49	Pl	BMS
441	3.7	126	146	256	284	140		110	57	44	38	19	18/35		5/49	Pl	BMS
466	4.6	137	162	288	305	149		120	65	49	45	21	18/40		5/49		BMS
474	4.8	140	161	291	316	154		120	64	45		20	17/37	f	6/49	Pl	BMS
484	5.2	144	167	296	324	160		128	68	48	48	22	19/39		5/49	Pl	BMS
492	4.5	141	163	300	327	155		126	68	48	43	21	20/37		6/49	Pl	BMS
527	7.3	156	179	324	354	171		136	78	53	49	22	17/35	m	6/49	Pl	BMS
539	7.6	159	184	331	352	174		147	79	59	57	23	18/35		5/49		BMS
545	8.0	161	187	330	354	176		143	80	58	58	22	19/37		5/49	Pl	BMS
552	8.5	164	190	341	376	181		142	79	58	48	23	19/36		5/49	Pl	BMS
569	9.0	172	192	349	383	189		147	86	63	57	24	21/41		5/49	Pl	BMS
580	9.8	171	195	356	384	182		148	85	63	59	23	21/40		5/49		BMS
584	10.2	173	203	368	393	189		150	87	66	62	25	16/38		5/49	Pl	BMS
589	10.0	181	201	360	378	198		156	86	65	61	27	18/37		5/49	Pl	BMS
597	10.6	175	202	388	400	198		159	99	73	66	24	19/35		5/49	Pl	BMS
600	9.4	177	202	370	398	193		144	91	65	63	25	19/37		5/49	Pl	BMS
600	10.6	176	200	386	399	193		156		74	66	25	19/37		5/49	Pl	BMS
603	10.7	181	205	374	408	199		154	89	69	65	25	18/38		5/49	Pl	BMS
609	10.8	184	207	377	405	202		156	92	69	63	25			5/49	Pl	BMS
618	12.5	184	214	386	408	201		162	98	71	70	24			5/49		BMS
621	11.8	183	212	382	411	200		162	92	67	67	25	18/37		5/49	Pl	BMS
627	12.8	189	215	390	423	209		166	101	76	72	26	17/36		5/49	Pl	BMS
629	13.6	185	219	386	418	203		173	96	73	70	25	11/39		5/49		BMS
639	13.7	192	220	397	437	214		168	98	80	73	27	19/37		5/49	Pl	BMS
645	13.8	192	216	397	431	209		175	100	73	67	25			5/49	Pl	BMS
664	14.5	198	223	409	448	217		166	101	80	75	25	19/38		5/49	Pl	BMS
673	16.7	203	227	421	463	225		163	113	83	84	27	18/34		5/49	Pl	BMS
695	16.3	213	230	435	474	237			116	78	78	21	16/37	f	4/49	Ll	BMS
751	27	221	260	468	510	241		206	110	77	74	28	19/37	f	5/49	Pl	BMS
762	24	228	263	460	508	240		203	118	81	82	30	18/35		5/49		BMS

Table 71. Skipjack from the Northwestern Pacific: Omaezaki, Shizuoka Prefecture, Japan*

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. Gill Rakers	Sex	Month and Year	Gear
252	.56	71	80	151	70	62	30			6/48	Pl
259	.56	69	81		80	57	30			8/48	Pl
266	.62	74	84	155	82	63	33			9/48	Pl
272		76	90	161	86	66	32			9/48	Pl
274	.69	75	89	161	86	68	34	18/36		9/48	Pl
276	.67	76	90	161	91	65	35	18/36		9/48	Pl
279	.78	80	92		92	79	36	18/41		9/48	Pl
281	.82	81	93	171	89	70	35			8/48	Pl
282	.67	77	92	164	89	63	32	20/38		9/48	Pl
301	1.0	81	92	176	94	77	41	8/22		9/48	Pl
302	1.0	86	98	179	96		37	16/38		9/48	Pl
306	1.0	86	102	182	98	75	37	18/36		9/48	Pl
318	1.2	89	107		97	76	41	19/38		9/48	Pl
318	1.3	84	100	188	96	69	34	21/39		7/48	Pl
323	1.2	85	104	193	99	78	41	20/38		7/48	Pl
324	1.1	92	105	195	104	73	41	19/37		9/48	Pl
327	1.6	90	108	195	103	78	40	17/38	f	8/48	Pl
330	1.3	93	108	197	108	81	43	18/40	f	8/48	Pl
330	1.4	93	110	199	106	87	42	18/38	m	7/48	Pl
345	1.7	98	115		111	88	45	18/39		9/48	Pl
346	1.6	98	114		110	82	44	19/38		5/48	Pl
347	1.7	94	114	206	108	84	44	19/37	f	7/48	Pl
354	1.8	99	120		113	91	45	18/38		9/48	Pl
359	2.0	101	118	216	113	95	46	17/39		8/48	Pl
364	2.0	105	124	224	118	96	48	19/36	f	9/48	Pl
368	2.1	103	118	222	118	90	47	18/36	m	6/48	Pl
368	2.2	105	125	230	118	94	49	18/36		9/48	Pl
369	2.0	101	120		118	87	46	18/37		5/48	Pl
372	2.2	108	126		122	99	50	18/37		9/48	Pl
380	2.1	109	124	226	123	90	50	21/31		7/48	Pl

*Contributed by the Japanese Fishery Agency

Table 71. Skipjack from the Northwestern Pacific: Omaezaki, Shizuoka Prefecture, Japan (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. Gill Rakers	Sex	Month and Year	Gear
382	2.3	109	122	230	121	97	50	20/40		9/48	Pl
388	1.8	98	116	209	111	93	45	17/35		7/48	Pl
388	2.3	110	126	232	125	96	49	19/38		9/48	Pl
391	2.4	111	131	240	125	101	54	16/36	m	7/48	Pl
392	2.6	107	130	237	122	95	51	20/37		5/48	Pl
397	2.8	116	136	250	130	110	51	20/39	m	9/48	Pl
398	2.6	113	133	239	130	94	54	21/39		7/48	Pl
398	2.9	119	133	246	130	104	58	20/37	f	7/48	Pl
399	2.6	116	132	243	131	98	56	17/39		8/48	Pl
404		113	132	243	123	88	53	16/34	f	6/48	Pl
406	3.1	115	131	244	132	106	56	18/36		7/48	Pl
407	3.1	121	134	242	135	107	57	16/35		7/48	Pl
408	2.7	115	132	247	134	99	50	16/34	f	6/48	Pl
408	2.7	122	134	247	130	98	56	18/39		6/48	Pl
408	2.8	120	138	250	134	101	58	18/36	f	7/48	Pl
408	3.1	118	138	258	132	108	54	18/38	f	7/48	Pl
413	2.9	120	140	257	134	110	56	18/37	f	7/48	Pl
413	3.7	119	134	251	131	116	58	17/36	m	7/48	Pl
418	3.1	118	142	254	136	104	56	19/39	m	7/48	Pl
418	3.3	123	144	261	138	105	62	18/35		5/48	Pl
418	3.3	123	142	259	134	113	58	17/36		8/48	Pl
419	2.9	122	141	260	135	118	56	16/34	f	7/48	Pl
419	3.2	120	143	252	135	106	55	16/34	f	6/48	Pl
421	2.8	121	144	257	137	105	56	18/39	f	8/48	Pl
423	3.2	122	147	260	133	105	59	18/36	m	7/48	Pl
425	2.2	119	144	257	131	106	55	20/35	f	6/48	Pl
426	3.3	122	143	264	140	115	61	17/39	m	7/48	Pl
426	3.4	121	141	265	136	107	59	17/40	m	8/48	Pl
427	3.6	122	144	262	141	108	60	18/37		5/48	Pl
430	3.3	123	144	267	139	108	60	18/37	f	8/48	Pl

Table 71. Skipjack from the Northwestern Pacific: Omaezaki, Shizuoka Prefecture, Japan (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. Gill Rakers	Sex	Month and Year	Gear
431	3.6	122	140	260	136	115	59	18/34	f	6/48	Pl
432	3.8	125	148	266	140	114	60	20/36	f	8/48	Pl
433	3.7	127	145	266	146	116	61	18/39	m	8/48	Pl
437	3.7	128	147	217	144	114	52	20/38	m	8/48	Pl
438	3.8	123	145	270	137	113	61	18/36	m	6/48	Pl
439	3.7	128	145	274	148	116	62	17/36	m	8/48	Pl
439	3.8	127	148	273	143	113	61	17/40	m	7/48	Pl
439	3.8	129	151	269	145	124	64	17/36	f	8/48	Pl
440	3.3	133	153	268	150	105	66	17/37	f	7/48	Pl
442	4.0	128	150	272	146	115	62	19/35		9/48	Pl
443	3.6	128	152	272	143	111	59	18/36	m	7/48	Pl
444	3.9	130	150		145	118	61	19/36	m	9/48	Pl
445	3.8	130	151	272	145	114	60	20/39		8/48	Pl
445	3.9	131	153	277	144	115	65	19/36	m	7/48	Pl
447	3.9	137	148	275	141	118	61	18/37	f	8/48	Pl
448	4.0	131	152	277	148	115	63	18/36		5/48	Pl
449	3.9	133	153	279	147	110	64	16/40	m	7/48	Pl
449	4.1	124	151	279	143	114	66	19/35	m	6/48	Pl
450	3.8	120	152	272	145	114	65	17/37	f	6/48	Pl
450	3.8	130	152	272	146	110	59	19/35		5/48	Pl
452	4.2	140	160	284	146	112	65	22/35	f	6/48	Pl
454	2.1	134	152	276	147	111	66	17/35	f	7/48	Pl
454	3.6	130	148	274	146	109	66	18/35	m	7/48	Pl
454	4.1	134	152	274	150	116	67	19/36	f	7/48	Pl
455	3.9	131	151	271	151	120	65	18/35	m	8/48	Pl
458	4.0	133	155	280	150	112	66	19/38		5/48	Pl
459	4.0	131	153		149	112	66	19/36		5/48	Pl
460	4.3	139	158	286	147	123	74	18/35	m	6/48	Pl
461	4.2	140	151	280	150	112	61	21/37		6/48	Pl
462	4.1	133	157	285	149	114	66	20/37	f	6/48	Pl

Table 71. Skipjack from the Northwestern Pacific: Omaezaki, Shizuoka Prefecture, Japan (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. Gill Rakers	Sex	Month and Year	Gear
464	4.3	136	155	283	152	116	68	18/36	m	7/48	Pl
465	4.7	136	157			116	63	20/36		5/48	Pl
466	4.2	141	161	286	152	113	63	17/45	f	8/48	Pl
468	4.1	139	158	289	155	115	71	18/35	m	7/48	Pl
468	4.6	137	157	284	155	117	69	19/38	m	7/48	Pl
469	4.9	136	155	284	155	125	63	18/37	m	8/48	Pl
470	4.0	140	162	286	158	118	67	20/35	f	7/48	Pl
471	4.6	135	161	291	154	119	66	19/39		5/48	Pl
472	4.8	138	170	301	155	124	65	17/40	f	6/48	Pl
472	4.8	138	155	286	154	126	70	19/37	f	7/48	Pl
473	4.7	135	143	283		130	75	19/38	m	8/48	Pl
473	4.7	138	158		157	120	67	17/35		5/48	Pl
474	4.9	138	164	296	155	125	67	16/36	m	8/48	Pl
475	4.6	141	159	288	156	125	72	19/36	f	7/48	Pl
475	4.7	139	160	289	156	121	68	20/36	m	7/48	Pl
476	4.0	141	161	292	157	116	70	16/35	m	8/48	Pl
477	4.8	142	154	294	159	120	71	19/37	m	7/48	Pl
477	4.8	142	163	296	158	122	71	19/34	m	7/48	Pl
478	4.4	143	158	294	160	118	73	18/35	f	7/48	Pl
479	4.4	149	164	297	158	117	78	21/36	m	6/48	Pl
480	5.4	140	167	301	157	130	67	18/39	f	8/48	Pl
481	4.7		164	292	151	126	66	19/38	m	6/48	Pl
483	4.9	141	163	297	156	120	72	18/37	m	6/48	Pl
483	4.9	145	165	298	162	123	71	19/38	f	9/48	Pl
483	5.4	142	165	304	160	128	72	18/38	m	7/48	Pl
484	5.0	142	164	302	162	124	73	17/38	m	8/48	Pl
484	5.4	144	173	302	158	135	71	19/37	m	9/48	Pl
485	5.0	144	174	307	160	119	76	15/35	f	6/48	Pl
487	4.6	146	171	301	162	126	72	17/37	m	7/48	Pl
487	5.1	145	165	299	164	122	73	18/37	m	7/48	Pl

Table 71. Skipjack from the Northwestern Pacific: Omaezaki, Shizuoka Prefecture, Japan (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. Gill Rakers	Sex	Month and Year	Gear
487	5.2	143	168	303	159	122	70	19/35	f	7/48	Pl
488	4.6	152	164	298	162	117	73	19/34		6/48	Pl
488	4.9	142	169	299	160	122	71	19/37		9/48	Pl
488	5.3	154	164	296	164	137		21/34	m	6/48	Pl
489	5.3	146	170	306	161	126	72	18/37	m	7/48	Pl
489	5.4	141	163	304	157	127	68	16/37	f	6/48	Pl
489	5.4	148	169	306	154	124	74	19/37	m	7/48	Pl
490	5.4	143	166	308	161	125	71	19/40	f	8/48	Pl
491	5.1	149	170	309	166	127	74	18/35	f	7/48	Pl
492	4.5	151	169	300	160	127	72	20/32	f	6/48	Pl
492	5.8	144	170	309	162	132	68	18/39	f	8/48	Pl
493	4.9	142	166	300	159	126	73	19/38	m	7/48	Pl
494	5.1	148	166	304	164	119	74	19/37	m	7/48	Pl
494	5.8	149	170	305	166	138	74	17/38	m	7/48	Pl
495	5.1	146	171	311	166	123	74	17/39	m	7/48	Pl
497	5.3	143	170	309	160	131	65	18/39	f	7/48	Pl
497	5.4	150	171	305	165	130	72	19/38	m	7/48	Pl
498	5.0	150	158	305		122	74	20/38	m	7/48	Pl
498	5.8	148	175	307	166	134	75	18/37	m	8/48	Pl
498	5.8	147	160	300	160	131	71	20/36	f	8/48	Pl
499	5.4	149	171	309	163	128	71	17/40	f	8/48	Pl
499	5.6	143	168	308	163	122	70	19/39		5/48	Pl
500	5.7	146	165		160	128	68	20/42		5/48	Pl
501	5.4	149	175	310	166	118	74	20/38	m	6/48	Pl
501	5.8	148	173	310	162	135	74	20/36	m	7/48	Pl
501	6.1	146	172		164	137	72	21/38	f	9/48	Pl
505	6.1	150	167	309	169	128	74	19/37	m	8/48	Pl
506	5.8	147	170	311	166	131	75	19/38	f	7/48	Pl
506	5.8	149	171	312	167	130	73	21/35	m	7/48	Pl
506	5.8	147	173	331	166	132	72	19/36	m	8/48	Pl

Table 71. Skipjack from the Northwestern Pacific: Omaezaki, Shizuoka Prefecture, Japan (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. Gill Rakers	Sex	Month and Year	Gear
506	5.9	148	170	313	167	134	77	18/38	m	8/48	Pl
507	6.2	150	177	316	166	140	74	19/35	m	9/48	Pl
508	4.7	150	175	308	168	129	76	18/39	m	8/48	Pl
508	5.3	146	170	311	161	126	72	19/38	m	7/48	Pl
508	5.6	150	172	309	167	128	78	19/35		9/48	Pl
509	5.4	149	168	313	171	131	76	18/36	f	8/48	Pl
509	5.8	150	170	317	171	134	76	19/42	m	7/48	Pl
509	6.7	151	168	315	167	143	78	19/36	m	8/48	Pl
511	5.6	146	169	311	165	125	74	20/39	m	7/48	Pl
511	5.8	152	171	314	173	131	74	17/35	f	8/48	Pl
513	6.0	154	178	327	171		78	20/38	m	8/48	Pl
514	5.9	150	176	319	167	134	82	19/35		8/48	Pl
514	6.2	154	175	313	169	135	78	19/37	f	9/48	Pl
515	6.0	154	177	313	172	131	81	17/36	f	8/48	Pl
515	6.4	156	181	321	174	135	81	17/34	m	8/48	Pl
517	6.2	153	184	321	173	135	74		f	8/48	Pl
518	6.1	152	173	312	171	133	78	17/35	m	8/48	Pl
518	6.2	155	175	319	174	134	77	18/34	m	7/48	Pl
521	6.4	157	184	321	174	133	79	18/34	f	8/48	Pl
522	6.4	150	174	321	166	131	74	19/39	f	6/48	Pl
522	6.7	160	185	330	177	134	78	17/36	f	8/48	Pl
523	6.2	153	179	324	171	129	84	18/36	m	6/48	Pl
523	6.4	154	175	321	170	140	75	20/39		8/48	Pl
523	6.4	156	176	320	175	131	78	20/35	f	8/48	Pl
525	6.9	164	180	321	170	137	80	20/39	f	6/48	Pl
526	6.6	159	189	330	175	133	74		f	8/48	Pl
528	6.7	160	177	325	177	138	77	18/38	m	7/48	Pl
531	7.1	163	179	328	176	138	84	18/37	m	8/48	Pl
532	6.7	158	178	326	174	131	81	18/38	m	9/48	Pl
532	7.1	160	183	332	176	140	78	18/36	f	6/48	Pl

Table 71. Skipjack from the Northwestern Pacific: Omaezaki, Shizuoka Prefecture, Japan (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. Gill Rakers	Sex	Month and Year	Gear
532	7.4	163	185	337	180	149	78	20/41	m	8/48	Pl
533	6.8	159	182	325	177	142	84	17/35	m	9/48	Pl
533	7.1	157	184	331	179	139	79	18/37	f	9/48	Pl
535	6.7	157	180	328	177	140	80	18/37	m	8/48	Pl
536	6.9	160	182	333	178	142	79	20/38	f	9/48	Pl
536	8.0	156	182	360	179	154	82	21/41	m	6/48	Pl
537	6.7	162	181	326	178	140	84	20/39	f	8/48	Pl
537	7.3	160	190	343	176	149	83	20/38		9/48	Pl
538	6.9	156	179	331	175	137	78	17/41	m	7/48	Pl
538	7.2	159	181	332	176	142	87	20/39	f	9/48	Pl
538	7.2	159	188	338	176	143	82	19/40		9/48	Pl
539	6.4	156	177	337	176	142	78	18/37		8/48	Pl
541	7.1	159	179	330	175	139	79	18/37	m	8/48	Pl
541	7.2	169	181	337	180	137	82	18/40	m	9/48	Pl
541	7.3	159	179	334	174	140	84	18/35	f	8/48	Pl
542	6.9	160	180	330	182	138	83	19/38	f	6/48	Pl
542	7.0	163	186	333	182	144	88	18/38	m	9/48	Pl
543	6.9	160	184	335	181	138	84	18/38	f	9/48	Pl
545	7.5	160	183	341	369	143	85	19/35	m	9/48	Pl
546	7.3	164	190	334	179	145	84	19/35	f	8/48	Pl
549		161	189	341	178	144	84	19/38	f	6/48	Pl
550	7.5	165	190	342	186	147	86	19/35	m	9/48	Pl
551	8.2	165	190	340	185	153	84	19/39	m	9/48	Pl
616	12.2	187	219	389	207	166	102	19/37	f	9/48	Pl

Table 72. Skipjack from the Northwestern Pacific: Tanabe, Wakayama Prefecture, Japan*

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	Height Anal	No. Gill Rakers	Sex	Month and Year	Gear
375	2.3	106	129	228		123	96	51	22	19/36	m	5/48	Pl
390	2.3	87	131	240		127	94	54	53		f	5/48	Pl
400	2.6	111	133	242		129	96	48	24	17/37	f	5/48	Pl
405	3.0	116	144	250	273	134	103	53	30	19/38	m	7/48	Pl
415	3.1	120	138	250	275	136	104	56		19/37	m	7/48	Pl
420	2.9	120	146	256	280	139	103	55	28	18/37	m	7/48	Pl
425	3.2	123	147	263	287	139	107	54		17/37	f	7/48	Pl
440	3.3	124	142	265	290	141	116	57	27	18/39	f	5/48	Pl
445	3.8	128	152	259	291	146	114	55	30	18/34	f	7/48	Pl
452	4.2	136	160	278	302	150	117	62	33	17/38	m	5/48	Pl
460	4.4	133	158	285	317	150		62	33	16/36	m	5/48	Pl
465	3.6	133	155	283	308	148	117	64	35	17/36	m	5/48	Pl
470	4.4	139	165	293	317	156	120	55		18/36	f	7/48	Pl
475	4.7	143	162	291		159	122	68	36	16/38	f	5/48	Pl
490	5.0	146	167	310	335	165	131	69		18/37	f	7/48	Pl
490	5.0	147	172	305	330	164	121	69		19/36	f	7/48	Pl
490	5.1	146	165	305	324	156	127	70		19/38	f	7/48	Pl
495	4.4	141	165	305	315	160	114	65	39	17/38	f	7/48	Pl
510	5.8	149	172	325		168	125	70	42	20/39	f	5/48	Pl
515	5.3	158	179	320	340	166	135	72		19/39	m	7/48	Pl
525	7.1	155	183	340	360	168	136	78	42	17/39	m	5/48	Pl
535	6.4	160	181	344	360	176	130	74	47	18/37	m	7/48	Pl

*Contributed by the Japanese Fishery Agency

Table 73. Skipjack from the Northwestern Pacific: Northern Ryukyu Chains, Japan*

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. of Gill Rakers	Sex	Month and Year	Gear
391	2.1	109	126	231	251	118	93	54	19/36	f	8/48	Pl
405	2.3	113	132	249	266	125	99	52	16/36	m	7/48	Pl
410	2.5	113	135	239	269	127	101	58	17/36	f	8/48	Pl
412	2.5	118	133	251	281	135	98	60	17/34	f	7/48	Pl
412	2.7	118	140	242	267	131	110	56	18/37	f	8/48	Pl
414	2.6	117	139	249	278	131	97	55	18/33	m	7/48	Pl
415	2.7	116	136	254	273	127	103	56	17/33	f	7/48	Pl
420	2.8	117	135	255	279	129	101	57	19/37	m	7/48	Pl
423	2.7	118	135	251	282	132	103	55	17/38	f	7/48	Pl
424	3.2	117	138	277	286	129	100	62	17/37	f	8/48	Pl
425	2.8	118	137	252	273	131	102	60	18/38	m	8/48	Pl
428	2.8	139	139	266	280	130	100	58	17/32	m	7/48	Pl
428	3.3	116	136	257	288	134	101	59	17/36	f	8/48	Pl
431	3.6	122	146	259	285	134	107	62	18/35	m	8/48	Pl
434	2.9	125	142	263	288	137	103	59	16/34	m	7/48	Pl
434	3.1	123	143	263	290	139	106	61	19/36	m	8/48	Pl
438	3.5	121	142	256	287	135	102	66	20/33	f	8/48	Pl
439	2.7	112	134	244	269	123	98	56	19/37	f	8/48	Pl
441	3.4	123	138	263	278	135	107	58	17/38	f	8/48	Pl
442	3.5	135	149	271	294	138	105	61	19/34	f	8/48	Pl
443	3.3	125	145	272	302	144	110	64	18/34	f	7/48	Pl
443	3.4	124	141	257	293	141	101	65	17/37		8/48	Pl
443	3.6	127	149	279	296	141	109	64	20/35	f	8/48	Pl
443	3.8	124	145	262	293	136	109	65	19/36	f	8/48	Pl
445	3.6	128	141	267	279	139	117	65	17/37	f	8/48	Pl
449	3.6	126	146	265	289	139	106	63	18/36	f	8/48	Pl
455	3.9	129	150	272	284	143	129	67	17/34	f	8/48	Pl
459	3.8	130	150	276	305	142	112	63	19/36	m	8/48	Pl
459	4.0	138	154	281	303	142	113	64	20/37	f	8/48	Pl
464	3.8	131	150	261	310	145	117	64	19/36	f	7/48	Pl

*Contributed by the Japanese Fishery Agency

Table 73. Skipjack from the Northwestern Pacific: Northern Ryukyu Chains, Japan (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Greatest Body Depth	Length Pectoral	No. of Gill Rakers	Sex	Month and Year	Gear
466	2.9	133	154	285	312	148	113	68	17/36	f	7/48	Pl
469	2.9	136	143	298	322	149	115	67	18/37	f	7/48	Pl
473	3.6	132	150	280	312	145	111	64	18/37	f	6/48	Pl
478	4.3	136	167	280	324	158	133	71	18/37	f	8/48	Pl
480	4.6	135	163	303	312	154	118	71	17/38	f	5/48	Pl
483	4.1	136	155	295	313	150	115	68	18/36	f	7/48	Pl
492	4.8	141	160	301	336	156	126	69	16/36	f	6/48	Pl
493	4.1	138	156	296	331	148	118	69	18/35	m	6/48	Pl
496	4.6	144	166	300	339	158	119	74	19/37	m	7/48	Pl
505	5.1	145	162	305	333	158	125	71	17/38	m	7/48	Pl
516	5.2	146	172	320	338	158	125	76	19/37	f	5/48	Pl
542	6.4	154	182	336	368	175	132	78	18/35	f	5/48	Pl
608	7.9	170	200	365	407	189	138	89	20/36	m	5/48	Pl
625	10.3	178	211	392	417	193	162	90	19/37	m	5/48	Pl
640	10.8	179	218	392	426	190	157	98	19/35	f	6/48	Pl
646	10.5	182	215	394	427	199	160	91	19/40	f	6/48	Pl
650	11.1	180	208	395	431	194	157	91	18/34	m	6/48	Pl
660	11.6	186	217	394	438	205	169	99	18/36	f	6/48	Pl
664	11.2	187	222	410	444	210	162	95	18/39	f	6/48	Pl
665	12.8	187	225	417	447		168	94	20/34	m	6/48	Pl
676	13.0	184	222	416	459	212	168	105	22/37	m	6/48	Pl
681	13.3	192	225	415	461	218	170	107	18/37	f	6/48	Pl
692	12.9	191	225	417	451	212	169	105	19/38	m	6/48	Pl

Table 74. Skipjack from the Northwestern Pacific
Southwestern Panay Islands, Philippines

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
460	140	167	295	310	157
471	148	179	308	326	163
473	155	178	315	338	169
479	148	174	305	335	172
480	151	177	312	337	169
481	148	172	300	340	162
487	148	166	316	343	170
487	158	178	305	346	173
487	159	174	318	342	174
494	147	177	314	344	172
497	157	177	318	350	180
500	150	180	312	343	167
500	152	174	315	348	166
500	158	182	323	346	172
501	157	190	334	354	176
502	152	176	323	348	168
503	158	190	320	346	172
504	152	176	305	357	166
509	157	194	335	351	170
514	160	192	340	360	178
516	163	178	326	365	176
516	169	197	336	365	186
518	153	186	311	328	172
519	158	180	330	363	176
522	187	190	337	365	185
523	166	192	337	362	181
524	164	182	337	366	177
524	170	193	341	365	191
526	162	188	343	368	180
527	161	189	340	370	176
528	170	195	337	357	187
530	164	188	344	366	185
532	154	174	299	336	176
533	167	193	346	355	182
534	163	183	346	380	190

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
536	156	178	310	340	177
540	168	190	340	377	185
541	171	194	351	392	182
543	163	200	350	386	187
544	165	200	348	391	188
550	173	192	342	378	188
552	165	184	342	374	181
553	168	196	350	386	201
554	162	188	320	344	178
554	175	202	364	390	187
555	168	191	348	384	180
557	178	207	363	388	194
558	171	200	354	388	193
559	168	199	350	391	186
560	177	201	364	394	193
563	172	204	365	404	194
563	177	215	369	386	201
564	178	214	376	392	200
564	180	207	364	409	207
567	174	204	362	400	192
568	176	211	371	406	201
570	171	199	366	389	190
572	184	205	373	401	201
573	174	201	359	391	189
579	180	215	380	405	195
584	184	213	374	413	208
584	187	213	378	415	200
586	185	220	377	410	207
586	186	213	377	416	202
586	186	215	377	412	207
587	183	206	377	407	197
587	184	205	374	408	198
588	183	213	380	407	204
592	188	218	384	412	204

a From the Philippine Bureau of Fisheries

Table 74. Skipjack from the Northwestern Pacific: Southwestern Panay Island, Philippines (continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
602	189	220	378	420	212
603	184	209	390	421	204
617	194	218	396	432	220
619	201	231	406	441	212
620	199	216	400	440	216
621	193	216	400	435	220
625	192	226	405	434	210
649	204	221	415	445	227
650	205	235	424	450	221

Table 75. Skipjack from the Northwestern Pacific: Batangas Province, Luzon, Philippines*

451	138	155	284	318	159
454	143	161	291	320	158
455	143	157	290	322	160
456	146	157	286	318	162
458	140	161	294	320	156
459	143	158	290	318	161
461	146	163	296	320	157
466	143	161	293	324	162
468	149	174	307	324	161
470	143	168	301	326	160
472	145	164	300	326	164
473	145	165	303	324	160
473	150	161	297	336	182
477	146	162	295	328	180
480	153	168	314	333	168
481	160	162	308	341	169
483	150	170	311	327	170
484	150	165	303	352	184
484	153	177	312	338	173
484	157	168	311	333	172
488	157	173	316	350	174
491	154	172	312	342	167
492	151	174	320	344	165
494	154	176	311	344	171
497	158	178	321	354	174
497	163	177	321	356	195
498	157	171	319	352	175
501	161	173	319	352	183
505	161	176	317	348	168
506	164	182	330	356	180
513	157	183	326	346	169
515	166	185	332	359	177
519	161	184	329	354	167
520	156	178	322	356	180
520	164	184	330	370	183
520	165	182	328	360	179
521	169	184	327	363	195
525	162	186	336	380	180
529	170	184	340	372	191
532	167	178	335	372	186
535	165	190	346	375	184
541	181	202	364	395	200
542	178	191	351	390	194
543	166	183	342	380	188
548	171	187	341	380	188
567	177	200	360	397	198
590	187	208	378	417	205
601	188	214	385	427	210

*From the Philippine Bureau of Fisheries

Table 76. Skipjack from the Northwestern Pacific: Southeastern Luzon, Philippines *

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
468	143	167	291	317	153
472	146	167	300	328	156
479	147	165	298	329	167
480	149	165	302	332	164
482	147	164	299	328	164
501	154	175	320	340	173
504	159	171	318	336	171
504	160	173	319	342	171
529	142	162	315	345	160

Table 77. Skipjack from the South Central Pacific: Society Islands and Marquesas Islands (Frozen specimens measured in Honolulu)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
503	5.5	154	181	311					75	50	48	22		m	8/49	Pl	FCJ
519	6.5	160	188	327					85	54	52	23		m	8/49	Pl	FCJ
586	10.5	181	204	373					96		65	24	21/38	m	8/49	Pl	HBE
599	12.5	189	218	384					97	61	64	26	20/40	m	8/49	Pl	FCC
602	11	186	201	372					103	60		24		f	8/49	Pl	FCJ
625	12	189	216	389					98	74	71	23		f	8/49	Pl	HBE
625	13	191	218	395					100	72	71	24	18/38	f	8/49	Pl	FCJ
626	12	189	220	400							69	25	19/39	f	8/49	Pl	FCJ
630	12.8	194	218	403					105	74	70	25	20/39	f	8/49	Pl	FCJ
633	12.5	194	221	403					107	76	69	25		f	8/49	Pl	FCJ
633	13	191	224	404					108	74	70	25	19/40	f	8/49	Pl	HBE
641	13.3	196	224	402						71	73	25		m	8/49	Pl	FCJ
643	14	196	220	406					107	78	75	26	20/37	m	8/49	Pl	HBE
645	13.5	194	222	406					106	70	68	25	19/39	m	8/49	Pl	FCJ
647	13	198	225	403					112	74	74	20	20/38	f	8/49	Pl	HBE

*From the Philippine Bureau of Fisheries

Table 77. Skipjack from the South Central Pacific: Society Islands and Marquesas Islands (continued) (Frozen specimens measured in Honolulu)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
649	14	199	230	406					109	80	75	27	20/39	m	8/49	Pl	HBE
650	13.5	197	220	403					107	79	71	25	19/36	m	8/49	Pl	HBE
650	14.5	203	227	416					111	76	72	22	20/37	m	8/49	Pl	FCJ
653	14	204	229	406					116	83	77	24	20/38	f	5/49	Pl	HBE
655	14.5	206	228	415					100	78	73	24	19/39	f	8/49	Pl	FCJ
672	14.3	208	239	426					115	79	75	26	19/41	f	8/49	Pl	FCJ
683	15.5	211	238	430						74	66	25		f	8/49	Pl	FCJ

Table 78. Skipjack from the South Central Pacific: Marquesas Islands (Frozen specimens measured in Honolulu)

462	4.5	142	163	290					74	39	36	21	20/38	f	4/49	Pl	FCC
468	5.5	143	163	293					74	46	42	20	20/40	m	4/49	Pl	FCC
469	5	141	164	295					71	38	40	21	19/39	f	4/49	Pl	FCC
472	5.5	142	166	293	319				68	42	42	23	19/39	f	4/49	Pl	MBS
483	5.5	147	169	302					82	46	42	22	21/38	f	4/49	Pl	FCC
494	5.5	150	171	311	330				76	43	44	18	20/39	f	4/49	Pl	KY
496	6	151	170	307					74	44	41	21	20/40	f	4/49	Pl	FCC
502	5.5	156	177	317	341				78	48	44	23	19/39	m	4/49	Pl	FCJ
502	6	148	173	312	337				76	48	47	21	16/39	m	4/49	Pl	MBS
505	6	153	176	317					74	46	42		19/40	f	4/49	Pl	FCC
507	6	154	181	317	342				78	44	47	23	18/36	f	4/49	Pl	KY
518	7	153	173	322	346				83	49	42	24	18/37	f	4/49	Pl	TFG
527	7	157	179	327	355				78	45	45		18/39	m	4/49	Pl	TFG

Table 79. Skipjack from the South Central Pacific
Society Islands
(Frozen specimens measured in Honolulu)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
465	6.5	139	160	284	314				70	42	41	21		m	4/49	Pl	MBS
470	5	142	161	291	314				74	39	41	21	18/38	m	4/49	Pl	TFG
470	7	145	167	295	318				73	42	43	22			4/49	Pl	KY
481	4.5	145	163	303	321				75	40	40	21	18/37	m	4/49	Pl	TFG
482	5.5	146	167	309					76	43	42	22	19/39	m	4/49	Pl	FCJ
494	6	149	171	309	333				77	44	42	21	18/41	m	4/49	Pl	FCC
497	8.5	154	173	317					81	50	45	23	17/37	f	4/49	Pl	FCC
501	6.5	157	176	305					81	52	48	25	21/40	f	4/49	Pl	TFG
502	6	154	177	317					77	43	43	22	20/38	f	4/49	Pl	FCC
504	7	158	181	318	343				81	52	51	24	20/39	f	4/49	Pl	MBS
507		151	178	317	348				76		41	20	19/39	f	4/49	Pl	KY
516	6	155	178	315	342				81	55	54	21	16/38	m	4/49	Pl	KY
521	7	157	172	319	351				85	45	46	24	20/36	f	4/49	Pl	TFG
529	7.5	161	185	333	359				85	57	51	25	19/39	f	4/49	Pl	KY
529	7.5	169	185	331					86	50	50	24	18/37	m	4/49	Pl	FCJ
531		160	181	331	360				86	53	50	24	19/39	f	4/49	Pl	MBS
531	7	168	192	337					84	52	49	26	20/37	f	4/49	Pl	FCC
532	8	164	189	335					83	49	44	23	20/36	f	4/49	Pl	FCC
534	5.5	166	188	339	362				91	58	54	25	19/39	f	4/49	Pl	TFG
535	10.5	167	188	335	366				82	50	50	24	19/41	f	4/49	Pl	KY
536	5.5	163	182	341	366				87	53	51	23	18/38	m	4/49	Pl	TFG
538	9.5	168	190	344	368				87	54	53	25	19/38	f	4/49	Pl	MBS
542	8	165	190	345					84	51	47	23	21/39	m	4/49	Pl	FCC
542	8.5	170	196	356					85	50	54	26	23/42	m	4/49	Pl	KY
544	9	170	194	346	376				88	58	58	26	18/38	f	4/49	Pl	MBS
548	8	170	190	339					83	56	53	24	19/37	f	4/49	Pl	MBS
548	8.5	169	194	347	377				88	54	51	21		m	4/49	Pl	KY
550	8.5	164	192	344	376				88	59	53	23	19/38	m	4/49	Pl	FCJ
551	10.5	171		350					92	54	52		19/40	m	4/49	Pl	FCC
554	9	169	199	352	378				83	58	53	24	19/40	f	4/49	Pl	FCJ

Table 79. Skipjack from the South Central Pacific: Society Islands (continued)
(Frozen specimens measured in Honolulu)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
561	9	172	196	357					91	54	53	23	20/35	m	4/49	Pl	FCC
564	9	175	199	354	383				88	61	57	26	19/37	m	4/49	Pl	FCJ
566	10	174	198	355					93	62	51	26	20/41	f	4/49	Pl	FCJ
567	9	181	206	359	386				97	58	57	27	19/40	m	4/49	Pl	FCJ
569	9.5	177	197	358	390				81	65	62	25	26/38	f	4/49	Pl	MBS
609	11.5	188	209	383						66	57	25	18/37	m	4/49	Pl	FCJ
733	21.5	228	262	466	505				121	86	81	29	19/38	f	4/49	Pl	FCJ
755	25	226	260	473	516				127	87	80	28	20/41	m	4/49	Pl	FCJ
756	27.5	238	266	489	518				131	94	96	29	18/38	m	4/49	Pl	MBS
759	25	233	249	479	524				132	79	82	30	20/41	f	4/49	Pl	TFG
759	25	236	261	477					132	94	82	30	20/41	m	4/49	Pl	FCJ
763	24	229	263	481	522				124	85	85	30	19/37	f	4/49	Pl	MBS
766	23.5	240	264	488	519				123		89	30	17/38	f	4/49	Pl	TFG
768	25	235	269	491					128	90	83	31		m	4/49	Pl	FCJ
769	27	232	264	501	539				140	93	88	32	18/38	f	4/49	Pl	TFG
773	25	239	264	486	522				125	86	84	29	18/41	f	4/49	Pl	TFG
774	25.5	239	268	491					128	92	87	31	19/38	f	4/49	Pl	FCC
777	25.5	238	262	490	533				128	94	85	29	18/37	f	4/49	Pl	TFG
782	25	245	281	500	531				136	90	92	31	20/39	m	4/49	Pl	MBS
783	25	239	270	494	537				127	94	88	27	19/38	f	4/49	Pl	KY
785	26	237	282	499	535				135	98	93	30	19/39	f	4/49	Pl	FCJ
785	26.5	244	260	493	543				130	94	85	31	21/37	f	4/49	Pl	TFG
786	22.5	239	266	494	537				128	90	91	29	19/38	f	4/49	Pl	TFG
788	26	240	272	498	545				129	102	94	30	19/38	f	4/49	Pl	MBS
788	26	240	273	499						89	83	30	20/39	f	4/49	Pl	FCC
789	24.5	246	263	495					127	96	85	30	20/41	f	4/49	Pl	TFG
790	28.5	244	270	503	540				134	95	91	31	21/38	m	4/49	Pl	TFG
791	26	252	273	500	543					98	90	31	19/36	m	4/49	Pl	TFG
792	25	242	272	498	536				135	104	96	31	19/37	m	4/49	Pl	KY
794	26	244	279	500					134	93	90	32	18/36	m	4/49	Pl	FCC

Table 79. Skipjack from the South Central Pacific: Society Islands (continued)
(Frozen specimens measured in Honolulu)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
796	26.5	249	277	501					123	83		33	20/40	f	4/49	Pl	TFG
797	28	247	273	504	543				139	92	85	30	16/38	f	4/49	Pl	MBS
797	28	248	275	504					138	96	90	30	19/38	m	4/49	Pl	FCJ
798	26	243	267	488					132	93	85	30	18/39	m	4/49	Pl	TFG
798	29	252	275	506	542				145	88	92	29	18/38		4/49	Pl	KY
799	27.5	233	263	491	550				130	95	95	28	19/43	m	4/49	Pl	MBS
800	30	252	274	508	551				131	98	93	29	17/39		4/49	Pl	TFG
801	26.0	242	269	498					130	90	87	28		m	4/49	Pl	FCC
802	28.5	245	277	506	551				131	90	86	27	19/38	m	4/49	Pl	KY
804	26.5	241	280	507					125	81	83	29	19/38	f	4/49	Pl	FCC
804	27.5	245	274	510	540				133	92	92	31	19/31	m	4/49	Pl	TFG
807	27.5	244	276	507	549				129	97	92	30		m	4/49	Pl	MBS
808	29	248	283	510	555				130	101	95	32	19/39	m	4/49	Pl	MBS
810	26.5	252	290	510	547				140	105		30	22/41	m	4/49	Pl	KY
810	28.5	247	272	506	549				134	102	95	31	19/38		4/49	Pl	MBS
810	30	242	272	506					134	100	88	29	19/42	m	4/49	Pl	FCJ
811	27.5	249	270	510	547				133	82	88	30	19/37	f	4/49	Pl	TFG
811	31.5	256	284	519					137	100	92	32	19/42	m	4/49	Pl	FCJ
815	31	253	284	517					135	97	94	31		m	4/49	Pl	FCC
816	31.5	247	283	515	559				131	96	94	29	19/35	m	4/49	Pl	KY
821	28	251	279	510	560				134	91	90	28	21/41	m	4/49	Pl	TFG
821	32	254	281	523					140	95		33	20/42	m	4/49	Pl	FCC
826	34.5	258	299	529	564				134	89	100	29	20/39	f	4/49	Pl	KY
849	34	265	308	542	582				146	100	98	33	19/40	m	4/49	Pl	MBS
858	32.5	260	292	550					137	110	97	31		m	4/49	Pl	TFG
880	35	269	299	550	596				145	103	102	32	20/41	m	4/49	Pl	MBS

Table 80. Little Tunny from the Central Equatorial Pacific: Phoenix Islands

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
565	7.5	149	170	317	363	175	204	132	98	50	50	23			8/50	Pl	KY

Table 81. Little Tunny from the Western Equatorial Pacific: Western Marshalls

424	3	114	126	250	276	131		108	77	33	36	19		f	*/47	Tr	JCM
430	3	115	128	247	277	135		106	74	32	34	18		f	*/47	Tr	JCM
438	3.5	121	136	264	292	139		111	78	34	36	21		f	*/47	Tr	JCM
440	3.5	122	142	273	293	140		115	79	35	34	20		f	*/47	Tr	JCM
441	3.5	120	135	266	295	137		111	78	37	34	21		f	*/47	Tr	JCM
448	3.5	120	130	261	290	139		109	77	36	38	19		m	*/47	Tr	JCM
451	3.5	125	143	268	297	144		119	79	33	34	21		f	*/47	Tr	JCM
453	4	125	137	270	298	142		116	78	37	38	21		f	*/47	Tr	JCM
454	4	127	137	276	308	151		117	80	37	37	21		f	*/47	Tr	JCM
457	3.5	124	140	276	299	142		110	81	33	37	20		m	*/47	Tr	JCM
460	4	128	138	273	307	148		117	85	36	38	21		f	*/47	Tr	JCM
467	4	125	142	279	312	153		115	79	33	33	21		f	*/47	Tr	JCM
470	4	126	137	271	300	145		117	82	37	40	22		m	*/47	Tr	JCM
473	4	130	144	285	313	151		111	83		36	22		f	*/47	Tr	JCM
477	4	133	148	287	319	154		123	86	38	39	22		m	*/47	Tr	JCM
479	4	130	144	283	311	150		116	87	35	40	21		m	*/47	Tr	JCM
481	4.5	129	142	287	316	157		124	82	41	39	20		m	*/47	Tr	JCM
482	4.5	130	143	283	315	152		126	83	36	38	21			*/47	Tr	JCM
485	4	130	145	285	318	164		116	87	39	38	20		m	*/47	Tr	JCM
487	4.5	135	148	287	320	158		120	86	41	42	22		m	*/47	Tr	JCM
494	4	135	146	288	329	157		124	88	37	39	22		f	*/47	Tr	JCM
496	4.5	136	150	297	327	155		122	83	39	38	23		m	*/47	Tr	JCM
497	4.5	134	148	296	326	154		119	87	42	39	20		m	*/47	Tr	JCM
498	4.5	134	152	296	330	161		121	85	37	41	23		m	*/47	Tr	JCM
502	4.5	138	151	300	327	160		120	87	36	37	21		m	*/47	Tr	JCM

*From July 19 to August 26.

Table 81. Little Tunny from the Western Equatorial Pacific: Western Marshalls (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examined
503	4.5	135	149	296	326	157		124	87	42	42	22		m	*/47	Tr	JCM
510		140	149	301	331	157		122	88	41	42	22		m	*/47	Tr	JCM
525	5.5	140	150	305	344	164		125	87	42	44	22		m	*/47	Tr	JCM
555	6	150	162	321	359	177		136	101	49	47	24		m	*/47	Tr	JCM
595	7	162	182	348	382	186		142	108	50	51	24		m	*/47	Tr	JCM

Table 82. Little Tunny from the Western Equatorial Pacific: Western Carolines

459	4.5	122	136	269	298	145		120	83	35	36	19	8/23	m	5/48	Tr	ORS
485	4	133	141	285	317	153		120	88	35	38	19	9/23	f	5/48	Tr	ORS
503	5	135	146	294	321	152		124	88	39	43	19	9/22	m	5/48	Tr	ORS
539	7	141	154	315	347	162		133	92	42	44	21	8/22	m	5/48	Tr	ORS

Table 83. Little Tunny from the Northeastern Pacific

393	2	109	124	251	274	125		96	55	20	21	17	11/35	m	4/47		a
545	6	158	162	313	361	174		137	86	40	41	24	10/25		5/49		GWMb

Table 84. Little Tunny from the North Central Pacific: Hawaiian Islands

276	1	78	87	167	186	90		74	43	14	15	13	9/23				HHE
294	1	80	90	175	199	92		76	45	17	17	12	9/23		8/48		HHE
326	1.5	93	105	202	223	106		82	54	24	23	16	8/25		1/48	Tr	MBS
335		95	106	204	225	112		84	54	20	23	16			4/49	Tr	KY
337	1.6	97	108	207	229	109		95	58	23	24	17	9/22		3/49	Tr	FCJ
341		95	105	202	228	110			51	21	21	15		m	1/48	Tr	MBS
342	2	101	110	209	231	115			60	22	22	17	9/22	f	8/48		HHE
345	1.5	100	112	207	229	113		86	57	23	24	17	9/21		1/48	Tr	MBS
365	2	105	115	220	246	121		94	59	26	26	17	9/23		1/48	Tr	MBS
374	3	105	120	225	244	122			61	25	23	17	9/23	m	8/48	Tr	HHE

*From July 19 to August 26.
a. Off Costa Rica
b. Off Guatemala

Table 84. Little Tunny from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
388		107	124	236	262	120	139	97	55	28	26	20	8/22	f	5/51	Tr	WIC
389	2.6	106	125	229	258	123		104	66	28	31	18	9/23		3/49	Tr	FCJ
399	3	115	127	243	279	138		113	66	25	25	19	8/23	f	?/48		HHE
402		117	133	231	272	132	139	120	69	27	26	18	7/22	m	5/51	Tr	WMM
403	2 1/2	114	124	240	259	130	130	98	70	34	31	19	8/22		1/50	Tr	JWR
403	4	110	124	239	263	130		105	67	28	28	20	9/24	f	8/48	Pl	HHE
406	3	114	128	239	273	127		106	68	37	33	18	10/23	f	9/49	Pl	HBE
408		115	128	249	272	131	144	107	68	27	29	19	8/21	f	5/51	Tr	WMM
408		118	130	260	276	133	150	110	168				9/25	f	5/51	Tr	FCJ
410	5	118	128	247	266	131		116	69	26	27	20	8/22		?/48	Pl	HHE
412	4	116	128	249	270	132		109	70	29	29	18	9/23	m	?/48		HHE
425	2.9	125	138	261	288	138		113	73	32	32	21			3/49	Tr	FCJ
428	3.5	123	134	258	288	141		116	67	29	27	18	9/23	m	8/48		HHE
433	3 1/4	125	140	258	290	144	159	110	72	35	34	18	9/22	f	7/50	Pl	KY
440	4.5	128	146	280	306	147		125	73	32	30	19	8/22	f	8/48	Tr	HHE
442	3.9	127	144	270	299	148		124	76	33	36	19	8/22		3/49	Tr	FCJ
449	4	130	148	269	305	149		117	74	33	32	20	8/24	f	1/48	Tr	MBS
451	4	130	148	278	309	149		117	76	30	30	20	9/22	f	?/48	Tr	ORS
453		129	145	272	299	144	150	120	71	34	32	19	8/24	f	5/51	Tr	WMM
453	4.5	128	146	280	307	153		117	77	33	35	21	8/22	f	1/48	Tr	MBS
454	5	135	146	275	306	138		130	80	32	31	20	9/22	f	?/48		HHE
456	"	123	148	282	311	151		125	78	33	35	20	9/24	m	1/48	Tr	MBS
457		133	147	278	312	150		114	77	31	35	20	8/22	f	1/48	Tr	MBS
463	4.1	130	144	282	311	145		127	79	33	33	21	8/22		3/49	Tr	FCJ
467	4.5	135	146	284	319	161		119	76	32	32	20	8/22		1/48	Tr	MBS
476	5	139	159	294	325	157		119	83	31	32	20	8/25	f	?/48		ORS
480		144	156	295	323	161		132	89	38	37	21			1/48	Tr	MBS
481	4	140	158	293	324	162		122	81	35	37	20	8/23		1/48	Tr	MBS
496		141	157	304	340	166		132	85	34	36	22			1/48	Tr	MBS
514	6.5	150	160	313	349	169		139	82	36	34	21	9/23	f	8/48		HHE

Table 84. Little Tunny from the North Central Pacific Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
519	6.5	144	160	313	343	173		138	80	37	40	21	9/23	m	?/48	Tr	HHE
530	7.5	152	168	316	354	166		152	90	36	42	23	8/23	f	?/48		HHE
539	6	155	167	318	358	180		139	88	44	41	21	9/24		1/48	Tr	MBS
544	[illegible]	[illegible]	172	334	372	170		145	69	45	44	24	8/24		3/49	Tr	FCJ
552	8	154	127	336	369	176		149	98	43	45	24	9/22	f	8/48		HHE
554	7¾	[illegible]	[illegible]	338	370	174		160	91	44	42	22	9/23	m	[illegible]	Tr	FCJ
579	9	[illegible]	[illegible]	350	383	183	204	146	107	52	53	25	9/23	f	[illegible]	Tr	JWR
586	9	163	181	349	384	186		152	104	52	51	23	8/22	m	1/48	Tr	MBS
588	9	163	181	353	389	186		152	100	46	49	24	8/21		1/48	Tr	MBS
606	9.5	174	194	371	409	191		166	103	45	47	24	9/23	f	8/48		HHE
613		171	174	372	409	191	218	173	96	48	50	21	9/24	f	8/51	Tr	FCJ
613	10	177	193	365	408	193		167	103	53	51	24	8/21		6/49	Pl	KY
620		172	190	376	417	192	232	170	98	48	48	26	7/24	f	8/51	Tr	WMM
625		181	193	392	435	200	236	184	110	60	48	26	8/25	m	5/51	Tr	WMM
629	11	185	200	377	416	207	213	160	105	53	58	25	9/24	m	1/50	Tr	JWR
630		180	196	372	432	204	238	174	110	48	53	25	8/23	m	5/51	Tr	WMM
639		179	200	381	441	198	243	177	99	55	51	25	7/25	m	5/51	Tr	WMM
652	12.5	187	202	395	435	209	226	167	113	62	62	25	9/23	m	1/50	Tr	JWR
666			209	405	449	213	229	181	107	50	54	28	7/25	m	5/51	Tr	WMM
665	13.5	198	208	400	435	215		174	123	56	61	26	8/23	m	1/50	Tr	JWR
668	11.5	184	195	398	439	209		176	107	53	50	26		f	8/48	Tr	HHE
674	13	192	210	400	448	214	237	177	120	57	58	26	8/23	m	1/50	Tr	JWR
675	13.5	190	208	403	439	212	232	174	107	59	63	26	8/23	f	1/50	Tr	JWR
680	13	194	209	402	457	215	244	170	119	60	66	27	8/23	m	1/50	Tr	JWR
680	17	190	204	407	458	219		202	124	67	55	26	9/22		6/49	Pl	KY
685	14	199	215	407	460	221	238	180	117	60		28	8/22	m	1/50	Tr	JWR
687		197	222	421	466	220	247	198	114	50	52	26	8/23	m	5/51	Tr	WMM
694	14.6	199	220	417	462	218		191	118	57	56	25	8/24		3/49	Tr	FCJ
697	14.5	197	213	409	469	219		191		54	60	26	9/23	m	?/48		HHE
697	15.5	202	217	419	463	218	252	190	126	60	65	27	8/23	m	1/50	Tr	JWR

Table 84. Little Tunny from the North Central Pacific: Hawaiian Islands (continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent.	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
701	16.4	212	233	432	475	239		197	120	62	59	27	8/23			Tr	FCJ
702	15	196	210	410	466	218		187	120	70	62	24	8/25		5/49	Pl	KY
706		195	204	412	464	219	244	175	113	54	55	24			6/50	Tr	KE
721		209	229	434	487	230		186	115	71	75	26	7/21		9/49	Tr	HBE
734	14.5	206	227	438	484	238		180	127	65	67	29	9/23	f	?/48	Tr	EHF
761	18	216	233	447	501	249		195	124	76	68	27	7/20		7/49	Tr	HBE

Table 85. Little Tunny from the Northwestern Pacific: Marianas

429	3	118	132	248	270	130		107	73	34	32	20	8/24	f	3/48	Tr	MBS

Table 86. Little Tunny from the Northwestern Pacific: Japan

379	2.2	100	117	228	257	117		99	58			17	8/21		5/49	Pl	BMS
400	2.6	103	114	224	259	118		102	61	31	31	17			5/49	Pl	BMS
420	2.9	113	127	244	276	127			70			18	9/23	f	5/49	Pl	BMS
433	3.1	113	130	250	274	130		111	70	35	33	17	8/23		5/49	Pl	BMS
452	3.7	117	133	257	291	134		121	74	33	33	19	10/23		5/49	Pl	BMS
468	4.6	129	141	276	306	149		126	78			19	8/23	f	5/49	Pl	BMS
479	4.7	128	142	280	312	144		124	75	31	30	20	9/23		5/49	Pl	BMS
488	5.1	133	150	283	312	152		128	81	38	38	21	9/23		5/49	Pl	BMS
491	5.4	128	147	288	317	146		129	78	35	34	20	8/23		5/49	Pl	BMS
511	5.7	136	152	294	329	155		129	83	39	38	21	9/22		5/49	Pl	BMS
519	6.5	141	164	308	339	162		141	91	46	43	20	8/21		5/49	Pl	BMS
547	7.2	151	166	317	361	170		149	95	43	41	21	9/23		5/49	Pl	BMS
581	8.8	157	173	343	380	176		148	94	47	45	24	9/23		5/49	Pl	BMS

Table 87. Little tunny from the Northwestern Pacific: Southwestern Panay Islands, Philippines*

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
200	55	60	128	135	68
200	56	68	127	140	65
231	65	78	138	152	68
232	66	74	136	157	70
234	65	68	144	156	70
238	66	76	146	165	73
246	68	76	146	168	75
246	70	76	155	170	78
248	70	75	152	168	76
266	78	85	164	182	82
270	78	82	166	180	84
278	75	88	168	188	88
278	78	88	172	195	88
278	78	94	172	188	86
280	78	88	168	195	90
282	75	86	172	190	86
282	78	85	170	190	85
282	78	88	172	190	88
284	75	85	168	190	85
284	78	85	173	192	93
286	80	87	172	198	88
288	80	98	180	192	95
292	80	95	182	196	90
292	80	95	186	198	90
294	78	93	184	205	88
294	85	93	178	195	88
295	75	86	175	195	88
295	80	92	174	198	90
296	81	100	186	204	92
296	82	96	186	198	95

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
296	83	98	186	200	94
298	80	88	184	200	90
298	80	98	186	198	94
298	83	100	185	200	90
300	80	92	172	198	90
300	80	92	188	195	88
300	80	96	182	202	90
300	84	100	188	200	95
300	85	95	188	200	95
300	85	98	188	200	95
303	76	96	184	195	95
304	85	100	185	205	100
305	84	100	190	200	95
310	82	96	186	210	98
310	88	88	188	205	95
310	88	96	185	205	90
310	86	100	188	205	98
312	83	96	192	210	98
315	85	100	188	208	96
315	86	94	188	210	95
315	88	105	195	210	100
456	120	140	278	305	142
465	128	142	274	300	145
465	128	145	282	305	145
466	125	142	282	298	140
478	122	140	275	328	148
500	132	145	300	330	146
525	150	168	325	368	170
528	146	166	324	367	168

* From the Philippine Bureau of Fisheries

Table 88. Little tunny from the Northwestern Pacific: Northeastern Panay Island, Philippines*

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
555	148	175	328	365	165
560	135	165	340	360	148
560	145	162	320	370	162
562	150	178	350	372	160
565	148	155	320	365	165
570	145	170	340	375	163
573	145	175	340	371	163
575	147	175	342	370	162
578	150	165	353	380	165
580	145	170	345	380	165
585	155	170	340	385	165
587	155	180	340	385	178
587	162	180	345	397	187
590	151	180	355	372	160
590	155	182	360	395	168
600	150	168	335	380	162
600	161	170	350	395	175
600	169	193	362	395	182
602	167	187	355	404	191
602	168	185	356	400	186
608	160	191	358	400	177
608	160	192	370	410	185
610	150	176	365	390	172
610	157	170	345	408	170
620	160	185	370	408	181
620	172	192	367	401	192
621	155	185	370	400	178
621	169	184	362	407	190
622	166	191	361	400	180
664	184	206	398	431	200

Table 89. Little tunny from the Northwestern Pacific: Batangas Province, Luzon, Philippines*

225	63	69	135	155	69
228	61	68	136	148	67
230	62	70	138	157	72
236	67	71	142	162	75
236	67	76	153	163	82
242	66	75	144	168	75
245	66	80	147	170	75
245	68	76	148	165	75
246	66	77	146	162	72
247	68	76	153	163	77
253	67	77	152	173	78
255	72		150	173	79
257	69	80	154	173	79
258	68	71	148	172	85
259	70	79	152	175	81
259	70	82	157	180	78
260	69	80	158	170	78
260	70	81	158	176	78
260	70	82	166	175	78
261	71	75	156	176	82
261	72	82	158	171	80
263	72	82	158	177	81
263	72	83	159	178	79
263	73	83	157	181	83
264	71	79	158	178	81
264	72	82	160	180	82
265	70	82	157	182	82
265	71	80	158	175	78
265	73	81	160	180	82
265	75	85	163	178	86

* From the Philippine Bureau of Fisheries

Table 89. Little tunny from the Northwestern Pacific: Batangas Province, Luzon, Philippines (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
266	74	82	159	179	81
267	71	81	158	177	81
267	72	81	159	176	82
267	72	82	160	176	80
268	71	81	157	178	80
268	72	83	162	178	82
268	73	84	163	178	81
269	76	83	166	184	90
270	76	86	165	182	86
272	73	82	162	179	81
272	78	88	171	188	90
273	78	84	164	183	85
273	78	88	168	188	89
274	75	85	171	188	85
274	77	83	166	184	86
275	78	83	174	188	85
276	75	87	164	184	87
278	75	87	170	187	86
278	78	84	164	191	90
278	78	90	175	188	85
281	77	88	169	187	94
283	76	85	173	189	83
283	79	90	171	187	87
284	78	90	174	193	86
285	75	87	172	195	90
287	80	91	178	192	90
288	75	88	176	196	87
288	78	90	173	195	89
288	78	90	174	183	83
288	79	91	175	195	90
293	83	90	178	201	96
297	84	95	184	200	94
340	96	105	203	225	109
349	93	102	207	231	110
352	97	108	211	228	107

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
354	99	105	209	236	109
355	92	110	211	242	111
355	96	110	211	234	110
355	96	110	212	233	112
355	97	109	215	232	115
356	95	107	214	236	108
356	97	106	215	234	110
357	95	109	219	233	112
360	98	102	215	236	113
362	100	111	221	245	115
362	103	115	219	239	116
363	98	109	216	246	115
363	100	110	215	248	112
387	110	119	233	260	123
397	109	119	233	268	125
407	116	125	239	266	127
408	110	123	241	268	123
421	115	129	254	278	128
425	117	133	258	280	133
428	124	140	261	289	137
432	120	138	263	291	136
450	127	140	268	300	141
452	124	147	273	299	138
453	128	144	271	303	142
460	129	137	274	303	143
460	130	141	275	310	144
461	125	144	276	297	138
462	132	145	272	309	146
463	128	142	280	307	140
464	130	147	280	312	145
465	130	140	276	312	145
467	127	143	278	304	145
467	129	138	279	315	142
469	133	147	281	313	148
470	130	142	281	312	144

Table 89. Little tunny from the Northwestern Pacific: Batangas Province, Luzon, Philippines (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
470	131	146	284	311	144
470	132	148	290	319	150
472	128	145	277	317	150
474	133	150	288	308	145
475	133	147	288	308	145
475	140	150	279	319	148
476	132	148	291	320	148
477	133	148	287	316	145
477	134	149	291	318	148
477	136	156	296	319	145
478	132	149	288	320	151
478	137	148	288	321	154
478	139	148	288	323	156
479	130	148	291	324	151
479	134	148	287	311	145
482	135	152	295	316	144
484	135	146	288	322	150
485	137	151	295	323	158
485	138	152	288	324	155
486	134	153	295	320	152
487	134	142	284	320	148
487	136	154	289	327	153
487	137	150	291	333	158
487	137	152	297	318	151
487	142	152	295	328	156
488	135	150	292	327	161
489	131	146	284	323	147
489	135	151	291	326	151
489	136	146	290	320	150
489	139	155	297	322	147
489	142	156	299	326	153
490	133	146	293	326	149
490	140	152	291	329	152
490	140	152	299	339	152
491	137	152	284	315	142

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
491	139	151	300	321	153
493	133	148	291	318	148
493	135	150	295	331	155
494	137	148	293	323	147
496	134	153	298	333	153
496	140	157	307	339	154
497	135	147	290	321	150
497	137	158	296	327	153
497	140	150	300	341	155
500	131	149	291	324	148
501	139	157	301	330	154
503	136	154	297	327	155
503	137	158	298	321	153
503	140	159	300	328	153
503	141	157	302	330	154
504	133	148	290	322	148
504	138	156	301	327	156
504	139	152	295	330	152
505	139	155	305	337	156
506	145	154	310	341	155
507	134	149	296	323	153
507	144	158	305	340	160
508	137	150	300	338	153
508	142	161	300	337	157
512	138	157	310	336	154
512	146	161	312	338	160
513	143	154	311	341	158
513	146	164	318	345	159
514	141	161	301	340	157
514	145	160	311	344	165
515	141	151	302	340	157
515	147	160	311	353	167
516	141	155	307	339	161
517	141	151	308	340	157
518	141	156	305	350	156

Table 89. Little tunny from the Northwestern Pacific: Batangas Province, Luzon, Philippines (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
518	142	159	301	333	159
518	142	160	304	345	156
518	143	164	316	346	161
520	143	157	305	340	155
521	140	160	309	341	155
521	140	167	314	343	157
521	143	162	306	332	148
521	144	163	311	344	159
522	144	159	307	347	160
522	147	164	310	340	163
524	141	161	310	350	163
524	147	158	312	348	162
526	146	164	316	347	161
526	149	163	317	351	164
528	150	162	318	357	166
534	144	164	316	346	161
534	147	163	315	352	168
535	147	166	321	360	161
536	146	165	319	359	160
536	151	163	312	347	161
540	145	163	314	356	164
540	148	163	324	359	165
542	143	163	321	351	164

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
545	150	164	320	363	164
549	149	165	320	360	168
550	146	161	325	359	164
550	151	165	322	362	169
550	151	171	321	354	171
551	155	177	336	375	169
553	152	169	328	365	167
553	153	171	330	370	167
553	153	173	335	371	168
555	149	170	330	369	170
555	153	169	334	366	172
559	155	170	330	371	181
559	154	164	326	363	168
560	155	172	329	370	170
562	160	172	340	372	175
564	148	171	327	369	167
566	148	172	330	363	172
569	144	167	334	372	172
572	157	178	341	385	177
591	169	180	350	389	187
602	162	181	359	394	180
612	163	186	361	406	179

Table 90. Little tunny from the Northwestern Pacific: Ragay Gulf, Bicol Peninsula, Luzon, Philippines*

290	81	92	184	195	91
300	84	97	184	202	96
302	85	94	186	203	96
321	90	100	198	218	100
321	92	100	197	222	105
322	91	100	198	221	102
323	91	100	196	222	100
327	93	102	200	223	108
328	92	99	202	224	104
328	93	100	198	222	104
328	93	101	202	228	103
331	92	105	203	224	104
335	92	105	202	225	108
337	94	105	206	231	108
337	95	107	205	225	107
503	132	144	286	331	154
541	143	157	314	348	157
542	140	153	317	358	167
544	149	157	325	364	166
546	153	171	333	360	171

*From the Philippine Bureau of Fisheries

Table 90. Little tunny from the Northwestern Pacific: Ragay Gulf, Bicol Peninsula, Luzon, Philippines (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
547	148	164	323	363	168
547	152	171	317	365	168
548	151	175	328	357	158
552	157	169	330	375	173
553	152	169	326	359	173
558	148	168	332	363	167
562	159	179	345	383	174
565	156	174	337	380	174
567	156	173	326	374	174
568	155	176	341	375	167
569	152	174	332	372	172
570	159	178	348	380	175
573	161	175	342	382	176
586	159	179	343	398	180
595	166	183	357	402	181

Table 91. Little tunny from the Northwestern Pacific: Southeastern Luzon, Philippines*

324	91	105	197	218	107
324	92	103	197	218	107
327	89	104	198	222	104
338	95	111	207	228	108
338	105	105	206	224	108
383	106	120	228	252	119
391	108	124	234	259	122
403	113	125	238	262	125
404	115	127	248	273	129
431	124	143	259	286	137
440	122	133	264	295	144
444	121	144	266	292	126
445	121	139	263	293	138
447	121	137	268	297	145
447	125	146	273	301	143
447	126	146	270	288	143
449	124	142	266	301	141
449	125	142	268	298	139
450	124	139			
450	125	137	269	298	139
450	128	139	265	295	141
451	125	141	269	300	145
455	123	145	271	298	142
455	126	141	266	301	142
456	122	141	266	295	139
456	126	143	277	297	140
457	122	138	270	301	141
457	128	145	275	301	141
459	123	147	281	293	139
461	130	152	274	305	146
462	129	145	271	305	144
464	125	145	284	310	139
464	130	144	281	312	146
469	128	146	282	306	146
474	131	144	275		
476	126	145	285	314	142
478	129	146	278	311	151
480	137	154	288	324	149
482	128	142	281	314	146
482	128	147	287	316	145
483	130	146	290	314	143
484	129	149	288	322	145
485	130	142	288	313	145
485	131	143	286	324	148
485	132	147	290	319	154
487	131	139	289	316	149
491	129	147	287	314	144
492	131	150	297	323	147
495	128	150	297	327	145
495	137	156	304	337	154

*From the Philippine Bureau of Fisheries

Table 91. Little tunny from the Northwestern Pacific: Southeastern Luzon, Philippines (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
496	133	152	294	316	154
498	140	157	298	340	152
498	142	156	302	343	157
499	130	150	292	320	144
499	139	160	302	331	158
500	134	145	302	325	149
501	130	150	295	327	144
505	145	165	312	345	159
507	136	157	306	328	155
507	137	158	297	334	156
508	140	155	308	339	155
509	142	159	306	330	160
514	142	164	310	336	161
514	146	161	308	339	157
518	143	162	314	345	161
523	144	165	308	343	162
534	147	167	319	351	163

Table 92. Little tunny from the Northwestern Pacific: South Sulu Sea, Philippines*

322	93	100	198	218	102
334	95	107	208	220	103
404	118	128	246	273	135
440	126	138	260	294	144
443	130	142	270	303	152
447	128	140	264	292	145
450	124	141	268	293	147
466	131	145	280	314	160
470	130	140	286	320	166
474	132	147	280	314	160
475	137	149	282	309	155
476	134	145	291	319	158
476	134	151	292	318	154
477	134	148	290	316	152
485	141	156	298	334	161
500	140	154	297	329	167
504	139	156	300	331	159
524	144	163	311	345	168
528	146	156	309	350	176
530	148	161	309	348	170
537	147	168	324	352	170

*From the Philippine Bureau of Fisheries

Table 93. Dog-toothed tuna from the Western Equatorial Pacific Western Marshalls

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
520	4.5	132	147	288	318	147		109	89	55	53	26		m	*/47	Tr	JCM
536	4.5	140	157	295	336	159		121	103	58	60	32		m	*/47	Tr	JCM
541	3.5	142	161	301	341	158		107	104	63	58	32		f	*/47	Tr	JCM
544	5	146	160	298	343	156		117	108	62	61	32		f	*/47	Tr	JCM
546	5	141	156	290	347	157		122	100	59	58	31		m	*/47	Tr	JCM
556	5.5	147	161	313	354	107		124	97	59	57	31		m	*/47	Tr	JCM
561	5.5	145	165	315	359	163		134	100	56	60	33			*/47	Tr	JCM
565	5.5	150	166	310	355	165		122	101	60	58	32		f	*/47	Tr	JCM
571	6	150	164	318	365	170		120	112	64	64	33			*/47	Tr	JCM
578	6	152	172	325	372	170		125	108	60	64	33			*/47	Tr	JCM
581	6.5	152	170	324	369	170		141	109	59	58	30			*/47	Tr	JCM
586	6.5	153		322	368	178		132	109	65	65	33			*/47	Tr	JCM
587	5.5	148	110	326	370	107		123	107	58	60	32		m	*/47	Tr	JCM
591	6	151	174	328	369	170		137	113	66	65	33			*/47	Tr	JCM
595	6	151	177	329	376	169		137	112	61	64	33			*/47	Tr	JCM
598	7	158	173	336	377	175		135	109	69	67	31		m	*/47	Tr	JCM
599	6.5	153	170	325	374	169		141	104	62	62	33			*/47	Tr	JCM
603	6.5	160	176	336	375	176		136	111	62	62	32			*/47	Tr	JCM
605	7	159	177	335	381	177		126	114	64	62	32		f	*/47	Tr	JCM
606	7	153	171	331	381	177		137	112	61	69	33			*/47	Tr	JCM
608	7	151	175	332	374	164		132	111	63	60	31			*/47	Tr	JCM
612	7	158	171	340	386	176		133	111	64	62	31			*/47	Tr	JCM
613	7	159	178	337	375	174		136	109	65	66	32		m	*/47	Tr	JCM
616	7.5	158	178	341	379	179		145	109	61	63	32			*/47	Tr	JCM
618	7	157	175	336	379	175		130	112	63	65	33		m	*/47	Tr	JCM
630	8.5	169	183	352	396	188		145	121	69	68	32		m	*/47	Tr	JCM
639	8.5	165	183	355	400	183		142	110	64	64	31		m	*/47	Tr	JCM
645	9	171	193	362	414	186		151	118	68	67	33			*/47	Tr	JCM
649	9	169	189	360	409	191		148	119	75	74	32			*/47	Tr	JCM
655	9	170	189	367	414	192		153	122	73	73	33		m	*/47	Tr	JCM

* From July 19 to August 26

Table 93. Dog-toothed tuna from the Western Equatorial Pacific: Western Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
656	10	172	191	360	411	195		153	117	69	69	33		f	*/47	Tr	JCM
657		171	191	365	421	191		135	119	73	73	33			*/47	Tr	JCM
659	8.5	170	189	365	417	193		149	115	78	74	34		f	*/47	Tr	JCM
660	9	109	190	362	407	190		156	116	70	72	34		f	*/47	Tr	JCM
662	10	172	188	370	412	190		145	124	72	75	32		f	*/47	Tr	JCM
673	10.5	167	195	372	423	188		170	115	72	70	39			*/47	Tr	JCM
675	10.5	174	197	379	426	192		145	120	76	74	32		m	*/47	Tr	JCM
680	11	170	197	380	422	194		150	124	75	79	33		f	*/47	Tr	JCM
683	10.5	172	195	373	423	189		164	119	70	71	32			*/47	Tr	JCM
684	11	178	202	386	428	198			118	73	72	33		f	*/47	Tr	JCM
689	10.5	175	196	382	427	193		158	126	73	69	32			*/47	Tr	JCM
694	11	188	207	386	445	208		158	124	70	72	33			*/47	Tr	JCM
698	10	177	196	381	435	200		145	135	78	77	33		f	*/47	Tr	JCM
704	12	186	204	395	472	207		165	132	74	76	34		m	*/47	Tr	JCM
710	12.5	180	203	395	444	209		162	126	77	75	33		f	*/47	Tr	JCM
714	12.5	180	200	398	443	200		161	128	79	78	32		m	*/47	Tr	JCM
718	13	181	204	395	446	202		168	128	79	79	32			*/47	Tr	JCM
720	12	186	209	400	450	205		150	133	78	81	35			*/47	Tr	JCM
726	12	181	206	398	454	205		160	129	76	72	32		m	*/47	Tr	JCM
731	12	182	207	402	461	204		160	129	75	73	37		m	*/47	Tr	JCM
751	15.3	190	222	420	468	212		185	129	70	73	33			*/47	Tr	JCM
754	14.5	192	215	408	472	216		135	141	85	79	33		f	*/47	Tr	JCM
758	15	192	220	427	476	221		167	132	85	85	33			*/47	Tr	JCM
764	14.5	197	221	424	483	222		171	138	83	79	33		f	*/47	Tr	JCM
782	15	201	227	434	499	223		173	143	79	78	36			*/47	Tr	JCM
785	18	208	231	437	502	236		180	142	85	86	44			*/47	Tr	JCM
789	11	175	193	375	431	197		168	117	65	63	34			*/47	Tr	JCM
791	15.5	208	235	449	519	219		192	138	84	84	41			*/47	Tr	JCM
823	19.5	217	249	459	520	242		202	150	92	92	43			*/47	Tr	JCM
852	20	224	258	484	546	251		177	158	89	90	43		f	*/47	Tr	JCM
870	22.5	230	257	491	556	252		200	145	93	92	39		f	*/47	Tr	JCM
972	29.5	248	279	550	627	275		212	161	100	102	39		f	*/47	Tr	JCM
1021		263	306	566	671	301		231	178	107	105	44		f	*/47	Tr	JCM
1079	41	277	310	611	692	321		244	208	113	112	43		f	*/47	Tr	JCM

*From July 19 to August 26

Table 94. Dog-toothed tuna from the Western Equatorial Pacific: Eastern Carolines

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
700	11	182	204	390	427	197		156	120	71	71	31	2/10	f	2/48	Tr	ORS

Table 95. Dog-toothed tuna from the Northwestern Pacific: Japan

1026	38	254	286	565	660	283		230	174	112	114	39	2/10		5/49	Tr	BMS
1035	38	270	304	580	673	303		257	175	112	111	41	1/9		5/49	Tr	BMS

Table 96. Dog-toothed tuna from the Northwestern Pacific: South Sulu Sea, Philippines*

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
446	125	138	256	290	139
547	151	174	321	346	156
559	146	161	319	357	166
603	158	168	338	378	168
627	160	177	360	403	180
627	171	192	355	400	188
631	175	190	362	411	200
632	169	190	353	403	196
635	167	184	358	411	188
641	171	187	365	405	195
650	174	194	375	424	200
654	171	194	371	420	196
655	173	204	382	416	190
655	175	196	380	407	187
662	178	194	370	424	200

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
675	183	193	378	437	194
683	185	204	395	443	209
691	183	201	392	453	201
692	183	202	395	437	203
694	184	205	399	456	201
700	187	210	402	459	209
704	187	205	404	452	208
711	187	211	407	460	210
714	190	210	402	471	208
721	189	215	413	470	204
724	194	204	395	443	209
728	194	207	424	473	223
738	197	214	420	488	220
741	198	223	434	479	220
742	198	214	419	475	215

*From the Philippine Bureau of Fisheries

Table 96. Dog-toothed tuna from the Northwestern Pacific: South Sulu Sea, Philippines (Continued)

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
744	200	221	433	490	224
753	205	229	438	485	228
755	200	220	430	496	221
758	203	218	430	487	229
760	200	226	427	492	220
784	207	233	452	512	232
788	218	239	450	513	244
791	219	247	452	528	244
796	211	237	467	520	239
798	224	247	460	527	243
822	224	245	462	527	247
823	214	251	476	522	240
836	222	251	479	539	249

Total Length	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral
850	234	259	484	575	260
851	232	260	485	565	249
877	234	266	545	570	253
881	225	248	481	565	245
902	245	273	523	600	273
915	241	271	525	607	266
917	255	280	540	597	284
920	248	272	544	609	280
954	250	280	545	609	273
937	253	291	550	616	270
1015	265	309	598	663	305
1033	281	325	609	684	320
1054	287	322	624	685	325

Table 97. Double-lined mackeral from the Western Equatorial Pacific: Western Marshalls

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
408	1.5	91	125	223	243	109		75	55	37	37	23		f	*/47		JCM
411	1.5	88	120	225	247	108		80	51	36	34	18		f	*/47		JCM
417	1.5	89	122	228	250	107		82	51	35	35	18		f	*/47		JCM
425	2	89	124	228	254	110		82	55	39	38	23		m	*/47		JCM
427	1.5	92	125	232	255	112		82	58	37	38	22		m	*/47		JCM
428	1.5	92	128	235	256	108		86	61	37	36	21		m	*/47		JCM
433	1.8	92	129	236	265	117		85	60	38	36	24		m	*/47		JCM
543	3.5	115	161	299	329	144		106	73	49	48	25		f	*/47		JCM
453	2	101	135	249	273	120		84	60	37	37	24		m	*/47		JCM
458	3	99	137	247	275	123		86	62	37	38	24		m	*/47		JCM

*From July 19 to August 26

Table 97. Double-lined mackeral from the Western Equatorial Pacific: Western Marshalls (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
467	2	101	140	256	280	120		86	67	40	40	25		m	*/47		JCM
482	2	104	144	261	290	126		89	63	43	41	24		f	*/47		JCM
485	2.5	104	147	262	301	131		90	65	43	44	23		f	*/47		JCM
545	5	113	160	300	334	145		110	64	50	51	24		f	*/47		JCM
580	6	124	174	318	353	154		118	71	51	54	26		f	*/47		JCM

Table 98. Frigate mackeral from the North Central Pacific: Hawaiian Islands

330	1.3	91	103	206	221	101		76	49	23	21	16	10/30		11/49	Pl	BMS
336	1.4	93	108		230	106		76	50	21	21	16	10/31		9/49	Tr	KY
339	1.3	93	107	212	228	103		75	49	24	22	17	10/30		11/49	Pl	BMS
339	1.5	95	110	212	229	102		84	50	23	23	17	10/32		11/49	Pl	BMS
342	1.4	94	109	213	233	104		77	49	23	20	18	10/30		9/49	Tr	KY
342	1.4	94	110	210	229	105		80	50	23	21	17	11/29		11/49	Pl	BMS
347	1.6	91	107	217	230	103		84	50	22	21	16	11/30		11/49	Pl	BMS
353	1.8	95	109	221	240	106		88	50	22	20	16			5/49	Pl	KY
355	1.5	99	114	220	239	112		77	54	23	23	18	10/30		9/49	Tr	KY
355	2	94	119	225	240	105		89	49		20	16			5/49	Pl	KY
357	1.5	97	112	216	237	109		76	51	24	21	18	10/31		9/49	Tr	KY
357	1.6	99	115	221	243	111		80	53	24	23	17	10/33		9/49	Tr	KY
366	2.5	100	115	228	251	115		96	53	22	22	17			5/49	Pl	KY
393	3	110	122	249	270	125		100	57	22	23	17			8/48		HHE

Table 99. Frigate mackeral from the Northwestern Pacific: Japan

306	.98	79	93	199	214	90		65	39	15	14	15	12/35		5/49	Pl	BMS
322	1.3	84	96	205	230	96		75	42	15	15	18	10/34		5/49	Pl	BMS
324	1.3	85	101	211	228	97		77	43	17	16	17	11/34	m	5/49	Pl	BMS
329	1.4	85	100	208	231	99		77	41	16	14	16	12/32	m	5/49	Pl	BMS
330	1.4	88	104	212	232	99		77	43	16	15	17	12/35	f	5/49	Pl	BMS

*From July 19 to August 26

Table 99. Frigate mackeral from the Northwestern Pacific: Japan (Continued)

Total Length	Weight	Head Length	Snout to Ins. 1st Dorsal	Snout to Ins. 2nd Dorsal	Snout to Ins. Anal	Snout to Ins. Ventral	Ins. Ventral to Ant. Edge Vent	Greatest Body Depth	Length Pectoral	Height 2nd Dorsal	Height Anal	Diameter Iris	No. Gill Rakers	Sex	Month and Year	Gear	Examiner
331	1.5	87	101	218	234	102		78	42	16	16	17	10+34	f	5/49	Pl	BMS
331	1.5	87	102	218	237	94		79	45	16	16	18	12+32		5/49	Pl	BMS
338	1.5	90	106	219	236	100		81	45	16	15	16	11+33	m	5/49	Pl	BMS
338	1.6	91	106	218	237	104		84	43	17	17	16	10+32	m	5/49	Pl	BMS
344	1.6	91	105	220	240	102		81	43	21	20	16	11+34	f	5/49	Pl	BMS
371	2.2	101	119					96	57	21	21	19	11+31	f	5/49	Pl	BMS
375	2.9	109	125	249	273	121		105	55	30	29	16	11+30		5/49	Pl	BMS
388	2.5	107	123	247	264	119		101	57	23	23	19	10+31	m	5/49	Pl	BMS
399	3.1	110	129	255	278	122		105	59	27	27	17	11+31		5/49	Pl	BMS
400	2.6	111	131	254	269	121		99	59	29	26	16	11+31		5/49	Pl	BMS
407	2.8	112	134	259	274	123		107	59	25	22	19	10+28	f	5/49	Pl	BMS
410	2.9	113	130	257	285	129		104	58	25	23	19	10+31	m	5/49	Pl	BMS
412	3.09	110	130	262	275	121		105	61	29	29	17	10+30		5/49	Pl	BMS
433	3.7	115	138	268	295	127		112	60	30	29	17	10+31		5/49	Pl	BMS
441	3.6	120	136	272	300	130		112	66	31	28	19	11+29		5/49	Pl	BMS
446	4.1	120	139	283	310	135		117	63	32	32	19	10+29		5/49	Pl	BMS
456	4.3	120	142	289	301	132		118	65	33	33	19	10+29		5/49	Pl	BMS
458	4.1	124	148	293	312	136		117	68	32	31	20	11+31		5/49	Pl	BMS
470	4.6	126	147	296	323	139		120	69	32	31	21	11+30		5/49	Pl	BMS